IPRPD

International Journal of Arts, Humanities and Social Sciences

ISSN 2693-2547 (Print), 2693-2555 (Online)

Volume 06; Issue no 01: January 2025

DOI: 10.56734/ijahss.v6n1a3



THE IMPACT OF NOMOPHOBIA ON POOR PERSONAL CONNECTIONS AMONG ADOLESCENTS

Le Thi Doan Chang¹, Nguyen Thi Huyen Thuong², Vo Minh Vinh³

¹Faculty of Business Management, University of Greenwich, London, UK

Abstract

This study investigates the combined influence of nomophobia, namely fear of inaccessibility and fear of missing out on personal connections among adolescents in some Asian regions. This paper offers a comprehensive analysis philosophical and academic literature on the integration of these social problems to propose practical solutions to adolescents' social interactions in the current trends that has not been done in prior studies. We utilize a quantitative research design, conducting a survey of 260 respondents with extensive experience in mobile phone use. The sampling process combined stratified sampling with a random selection technique. Data analysis includes the use of descriptive statistics, Cronbach's alpha, exploratory factor analysis (EFA), and the assessment of variable relationships through multiple linear regression, all performed using SPSS software. The results reveal that the two determinants of nomophobia including Fear of inaccessibility and Fear of missing out influence adolescent's poor personal connections. Fear of inaccessibility has the greater impact, with a standardized coefficient of 0.892. Meanwhile, Fear of missing out has a slightly slower, with a standardized coefficient of 0.859. In the digital age, these findings provide useful insights for identifying the factors of nomophobia that put a significant effect on ineffective communication among the young age. Accordingly, this paper makes sharp theoretical contributions to addressing the current trend problems.

Keywords

Nomophobia, Adolescent connections, Philosophical ideology, Multiple linear regression

1. Introduction

The uncontrolled and irresponsible use of mobile devices is causing significant changes in individuals' daily habits, behaviors, and psychological health (Argumosa *et al.*, 2017). One particular issue stemming from smartphones is nomophobia, or the fear of being without or unable to access one's mobile device, which becomes particularly pronounced when individuals experience poor connectivity (Yildirim & Correia, 2015). Over the last few years, adolescents' increasing dependence on mobile devices has made them particularly susceptible to negative psychological effects due to poor connectivity, often exacerbating anxiety and the fear of being without a phone (King, *et al.*, 2010). Comprehensive details on adolescents' poor connectivity experiences due to nomophobia will be provided in this study, alongside specific data analyses aimed at identifying and proposing appropriate solutions.

At present, there have been numerous studies that offer insights into how connectivity issues impact nomophobic behaviors. D'Arcy *et al.* (2014) explores anxieties and dependencies arising from technology use *among adolescents*, which reflects the growing concern over its manifestations and effects on their psychological well-being (Ergin & Ozer, 2023). In the current era of technological development, the issue of nomophobia leading to poor connections among adolescents has become prevalent and is a significant public health concern (Kuss & Griffiths, 2011). However, with the rapid advancement of technology and the increasing use of mobile devices among adolescents each year, existing studies might still have some limitations, such as outdated findings that might not reflect current trends in smartphone and adolescent behavior and a lack of a robust theoretical framework to explain the mechanisms behind nomophobia's impact on personal connections. Then, this paper aims to clarify the correlated relationship between poor personal connections and nomophobia in terms of a dependent variable

²Tam Phuoc High School, Dong Nai, Vietnam

³Faculty of Management and Economics, University of Tomas Bata University, Zlin, Czech Republic

and an independent one respectively in the present social interactions. Additionally, the authors link two theoretical concepts, namely Uses and Gratification theory and Attachment theory, to learn about the impact of the factors of nomophobia on adolescent interactions. Therefore, poor connectivity among adolescents due to the issue of nomophobia requires a deeper understanding of its manifestations and impacts, which can propose practical solutions to minimize the problem.

To make theoretical contribution to the current state of knowledge in this field, the main research question of the paper needs to be addressed: "Does nomophobia impact poor personal connections among adolescents in the current society?". Along with that, the authors also identify how positively two factors of nomophobia including fear of inaccessibility and fear of missing out affect poor personal connections among adolescents. Based on these research questions, this study provides an answer to the research question and suggests three research objectives: the first is to examine the anxiety experienced by adolescents when they are without a phone; the second is to determine the fear of missing out on important information or events; and the third objective is to propose solutions to address the impact of nomophobia on the connectivity of the younger generation in some Asian regions today. Then, we employed a quantitative research design and surveyed 260 respondents who have lots of experience in using mobile phone. The sampling method combined stratified sampling with random selection technique. Data analysis involved applying descriptive statistics, Cronbach's alpha, EFA and evaluating variable relationship with multiple linear relationships, using SPSS tool. Finally, the rest in the structure includes five following sections: section 2 will outline conceptual framework of how nomophobia impacts social connections among adolescents; section 3 and 4 involve methodology and presentation on the findings; section 5 is devoted to a critical discussion; and the last one presents practical solution, suggests future research directions, then concludes with summary remarks.

2. Literature Review

2.1. Personal connections among adolescents

Connection can refer to the social bonds and relationships between individuals. It encompasses interactions, attachment, and feelings of belonging within various contexts, such as families, friendships, and social networks (Baumeister & Leary, 1995). Psychologically, connection involves emotional bonds formed through shared experiences, trust, empathy, and understanding. Emotional connection can strengthen resilience and foster a sense of community (Aron & Aron, 1997). From the issues of connection mentioned above, according to Przybylski & Weinstein (2017), "Poor personal connection among adolescents" refers to the disruption of face-to-face communication, reduced empathy, social isolation, and difficulty in forming meaningful relationships, often exacerbated by digital device dependency (Uhls, Ellison & Subrahmanyam, 2017).

Many philosophical perspectives can explain the connection between adolescents. **Idealism**, characterized by a focus on abstract principles and moral ideals, may contribute to poor connection in adolescents in several ways. Idealistic adolescents often have idealized visions of friendships, which can lead to frustration or isolation when friends do not meet these expectations (King & Roeser, 2009). Furthermore, adolescents with strong idealistic views may feel out of place in peer groups that prioritize pragmatism (Lövheim, 2017). Besides, Velez & Spencer (2018) argue that **phenomenology**, as a philosophical approach, focuses on the lived experiences and subjective feelings of individuals. Poor connections among adolescents often stem from the way they construct and internalize these experiences. Ryan & Kuczkowski (1994) take a similar view, arguing that adolescents are prone to self-centered tendencies, such as the **imaginary audience** phenomenon, which lead to cognitive distortions of social interactions.

Currently, the rise in screen time has led many adolescents to prioritize online interactions over face-to-face communication, contributing to social isolation and weakened social skills (Twenge & Campbell, 2018). Increased use of mobile devices and social media has also resulted in a decline in empathy, non-verbal communication, and conflict resolution abilities. Poor personal connections are linked to mental health issues like anxiety, depression, and loneliness, as adolescents struggle to form meaningful offline relationships (Ergün & Ozer, 2023). The issue of poor connections among adolescents, driven by **nomophobia**—regarded as the intense fear of being without a mobile phone—has become an increasing concern. Nomophobia is closely linked to mental health challenges like anxiety, depression, and loneliness, as adolescents struggle to disconnect from their devices (Twenge & Campbell, 2018). This dependency results in lower-quality personal relationships, where digital interactions replace more fulfilling, in-person connections. Additionally, social media pressure and fear of missing out (FoMO) further exacerbate feelings of inadequacy and disconnection (de Bruijn, 2021).

2.2. Nomophobia

Nomophobia, which stands for "no-mobile-phone phobia," is defined as the intense fear of being without one's mobile phone. This fear has emerged as a significant psychological issue with the rise of smartphone dependency, impacting social interactions and mental health (Notara *et al.*, 2021). Nomophobia, or the fear of being without a mobile phone, manifests in various psychological and behavioral symptoms, particularly among adolescents and

young adults (Kanmani et al.,2017). These include anxiety, stress, and dependency, leading to compulsive checking of devices (Rodríguez *et al.*, 2020). Social isolation and diminished communication skills also arise, as excessive phone use replaces face-to-face interactions, affecting empathy and conflict resolution. Furthermore, concentration and memory issues are linked to constant phone use, along with physical symptoms like headaches, eye strain, and disrupted sleep patterns (Bragazzi & Del Puente, 2014; Kuss & Griffiths, 2011). Nomophobia can be viewed through several different philosophical perspectives. **Existentialists** such as Sartre (2008) and Heidegger (2014) argue that humans have an inherent desire to connect with others but often experience alienation. They therefore interpret nomophobia as a manifestation of the fear of losing connection with one's social network, leading to a feeling of existential emptiness. **Marxist** philosophers such as Marcuse (2014) and Adorno & Horkheimer (2019) critique the commodification of human needs and desires. Nomophobia can be understood as a product of the capitalist system that benefits from the fear of the individual. Marx's theory of alienation highlights how technology can separate individuals from real human relationships.

2.3. Anchoring the theoretical framework

To analyze nomophobia and its impact on adolescents' connections, this study adopts Uses and Gratifications Theory (UGT) and Attachment Theory. UGT explains how adolescents actively use smartphones to satisfy their needs for social bonding and identity formation, highlighting their dependence on technology. Meanwhile, Attachment Theory reveals how emotional bonds with smartphones substitute for secure relationships, with the absence of these devices causing anxiety and impairing interpersonal connections. Together, these theories complement one another, offering a comprehensive lens to examine how nomophobia affects adolescents' social interactions and emotional well-being. By integrating these perspectives, this framework provides a robust foundation for understanding the relational and psychological dimensions of nomophobia.

2.3.1. Uses and Gratifications Theory (UGT)

Uses and Gratifications Theory (UGT), initially developed by Blumler and Katz in 1974, focuses on understanding why individuals actively seek out media to meet specific needs and desires. The mobile phone (MP) industry has integrated mobile devices into nearly every facet of daily life and across various human activities, such as entertainment, business, learning, and social networking (Humood *et al.*, 2021). Therefore, nomophobia is strongly associated with addictive behaviors related to technology, evident in the uncontrollable urge to check phones, difficulty disconnecting, and the anxiety of missing important information (Anjana *et al.*, 2021; Gajdics & Jagodics, 2022; Modesto *et al.*, 2022 cited in Medrano-Sánchez *et al.*, 2024). Research by Yildirim and Correia (2015) has highlighted how smartphones meet emotional and social needs, thereby contributing to the development of nomophobia. Similarly, Rodríguez-García *et al.* (2020) explored how the need for social interaction and instant gratification through constant connectivity plays a significant role in smartphone addiction and nomophobia among adolescents.

In the context of nomophobia, UGT explains how adolescents' dependency on smartphones emerges from their need to fulfil emotional and social gratifications (Chan et al., 2023). Various websites and applications simplify daily activities, enabling seamless communication with family and friends anytime and anywhere (Elissavet Vagka et al., 2024). When access to these devices is disrupted, adolescents may experience anxiety due to the unfulfilled need for connection and emotional stability, significantly impacting their interpersonal relationships. Studies by Vagka et al. (2024) demonstrate that adolescents actively use smartphones to meet social and emotional needs, such as maintaining constant connections and reassurance, which can lead to heightened stress and anxiety when disrupted. Rather than experiencing the usual joy and satisfaction from engaging with social media, individuals encounter a condition known as nomophobia, characterized by fear and anxiety resulting from losing access to their smartphones (Gezgin, et al. 2017 cited in Yıldız Durak, 2018). Through its focus on active audience behavior and psychological motivations, UGT provides valuable insights into how and why nomophobia develops among adolescents, linking their smartphone use to deeper social and emotional dependencies.

2.3.2. Attachment Theory

Attachment Theory, originally developed by John Bowlby and later expanded by Mary Ainsworth, provides an essential framework for understanding the psychological underpinnings of nomophobia. Bowlby (1973) developed attachment theory to explain the emotional bonds between parents and infants, which has since been used to understand individual psychological processes. He also suggested that when individuals interact with important figures during times of need, they form working models of attachment concerning themselves and others. The object attachment approach suggests that constant connectivity to a smartphone serves as an effective method to prevent the activation of the attachment system, providing a sense of safety and security during times of emotional distress (Cheevar *et al.*, 2014 cited in Gohar and Munir, 2022). Moreover, Yildirim and Correia (2015) demonstrated through the Nomophobia Questionnaire that losing access to smartphones leads to significant anxiety due to unmet needs for communication and emotional connectedness, reinforcing their attachment role.

Research involving adolescents has identified a significant correlation between smartphone addiction and attachment styles characterized by avoidance or anxiety (Jin *et al.*, 2023). Individuals with insecure attachments may experience relational instability, difficulty regulating emotions, intense cravings, and a lack of control, all of which heighten their vulnerability to developing addictive behaviors, including smartphone addiction (Kim and Koh, 2018; Gao *et al.*, 2022 cited in Jin *et al.*, 2023).

2.4. The impact of nomophobia

2.4.1. Fear of inaccessibility

The "fear of inaccessibility" refers to the anxiety adolescents experience when disconnected from their mobile devices or social media, closely linked to nomophobia. This fear can lead to significant social and psychological issues, including isolation and anxiety, as digital communication makes substitutes for in-person interactions (Kuss & Griffiths, 2011). Desiree Valentine's study (2020) on access intimacy reveals how access issues affect both digital and offline relationships, highlighting the interpersonal dynamics involved. Similarly, research on nomophobia shows its impact on adolescents' social skills and emotional well-being, emphasizing the growing concern of social isolation due to constant digital connectivity (Rodríguez et al., 2020). This phenomenon suggests that fear of inaccessibility extends beyond technology, influencing adolescent development and mental health. Postmodernists such as Baudrillard (2001) argue that humans are living in a hyper-real world where personal relationships are built through mediated communications, such as social media or instant messaging. Fear of inaccessibility may be related to the fear of being disconnected from the artificial image of social interactions. Foucault's (2011) theories of surveillance and power dynamics are also related to the fear of inaccessibility. This theory argues that fear of inaccessibility is a person's anxiety about losing control over one's presence in society or by extension, one's social power. In addition, the idea of the "global village" in McLuhan's theory of technological determinism emphasizes how technology connects people over vast distances. According to this theory, fear of inaccessibility is the anxiety of being disconnected from this global network (Drew, 2016).

In Asia, the proliferation of smartphones, affordable internet access, and ubiquitous social media platforms have made constant connectivity the norm (Thakur, 2016). In China, the WeChat ecosystem is integrated into everyday life from socializing to work and life, creating a dependency that increases the fear of being out of reach (Chen *et al.*, 2018). In South Korea, the strong social media culture fostered by platforms such as KakaoTalk makes adolescents feel stressed when they cannot respond to messages or participate in group chats (Park & Kim, 2024).

The issue of "fear of inaccessibility" among adolescents has been increasingly recognized in both psychological and technological contexts. This fear is often linked to digital exclusion, where young people feel anxious or isolated due to their inability to connect with others digitally, particularly through social media platforms. Adolescents, who are heavily reliant on these platforms for socialization, may experience significant distress if they are unable to access or participate in these digital spaces. This fear is particularly more pronounced among those who struggle to maintain constant online presence, as it contributes to feelings of social isolation and anxiety (Kuss & Griffiths, 2017; Lee, 2019). Additionally, adolescents' mental health can be significantly impacted by this fear. The inability to engage with peers or maintain a digital identity can lead to heightened stress, feelings of loneliness, and even depression. Studies have shown that excessive use of social media is correlated with greater susceptibility to digital exclusion and an increasing reliance on these platforms for emotional support (Valkenburg & Peter, 2013). Adolescents who cannot maintain this connection may feel disconnected not only socially but also emotionally, which can undermine their well-being. Meanwhile, addressing nomophobia has significant positive impacts on emotional and social well-being. Interventions to reduce smartphone dependency alleviate anxiety and promote emotional stability, allowing individuals to reengage in face-to-face interactions. This fosters deeper social bonds and reduces isolation, ultimately enhancing quality of life (Rodríguez, et al., 2020). School-based programs further highlight the potential of reducing digital reliance to improve empathy and communication skills, strengthening personal connections (Bakariwie, et al., 2024). These findings underscore the importance of managing digital habits to cultivate healthier social relationships.

H1: Fear of inaccessibility positively impact poor personal connection among adolescents in the current society

2.2.2. Fear of missing out

"Fear of missing out" is commonly known as (FoMO). This term refers to the anxiety where others are experiencing rewarding events or information that one is absent from. This feeling is largely driven by digital technology and social media, where individuals constantly receive updates about others' activities. Research has shown that FoMO can lead to negative emotional and psychological outcomes such as increased anxiety, stress, and dissatisfaction (Przybylski *et al.*, 2013). It often results in behaviors like excessive checking of digital devices to stay updated, which, ironically, can decrease one's enjoyment of current activities (Hayran, *et al.*, 2020). This phenomenon highlights the deep connection between technology use and emotional well-being (Przybylski *et al.*, 2013).

FoMO is a multifaceted phenomenon that can be understood through many philosophical, psychological, and social lenses (Classen, 2018). From a **nihilistic** perspective, FoMO arises when individuals become obsessed with external signs of success and happiness, losing sight of deeper meanings (Van Tongeren, 2018). This theory's idea of "will to power" also explains that people driven by a constant desire to achieve new things may develop FoMO as they constantly seek to prove themselves through social comparison (Nietzsche, 2017). Moreover, **cognitive behavioral theory** (CBT) also identifies several cognitive distortions that promote FoMO, such as catastrophizing or all-or-nothing thinking (Afdilah et al., 2020). CBT also addresses how FoMO can lead to compulsive behavior, namely excessive checking of social media to avoid missing out (Choudhary & Saini, 2024). This can lead to stress and anxiety cycles.

In Asia, FoMO is particularly evident due to high social media penetration, collectivist cultural norms, and pressures related to education, work, and social status (Srivastava *et al.*, 2024). In Southeast Asian countries, flash sales and promotions on platforms such as Lazada or Shopee drive consumers to make impulsive purchases due to FoMO (Ngo *et al.*, 2024). In South Korea, the concepts of "inssa" (insider) and "assa" (outsider) are popular on social media, as young people try to appear "inssa" in popular trends to avoid feeling left out (Song & Kim, 2022). In India, festivals and cultural events are heavily documented on social media, and people feel pressured to demonstrate their participation (Ghosh, 2011).

The phenomenon of FoMO, also regarded as "fear of disconnection," has been increasingly observed among adolescents, particularly due to the rise of social media and smartphone use (Patani & Kiran, 2023). Adolescents with high levels of FoMO experience anxiety about missing important events or social interactions, often leading them to overuse digital platforms. This fear can result in social isolation, poor mental health, and a decline in offline social skills, as they focus on virtual connections at the expense of real-world interactions (Bloemen and De Coninck, 2020). They suggest that the "Fear of Missing Out" (FoMO), specifically the anxiety of missing out on important information, leads adolescents to frequently check their phones. This behavior, driven by a need to stay connected, disrupts their ability to form meaningful face-to-face relationships. Holding the same perspective, Kuss and Griffiths (2011) add that this fear of disconnection, tied to nomophobia, exacerbates mental health issues such as anxiety and depression. Accordingly, Bragazzi and Del Puente (2014) assert that the 'fear of missing out' significantly influences the issue of poor connection among adolescents. This constant need to remain digitally connected often leads to emotional disengagement from face-to-face interactions, thereby diminishing the quality of their personal relationships.

The **fear of missing important information** significantly impacts adolescents, especially in the context of **nomophobia**—the fear of being without a mobile phone. However, this issue can be improved positively by promoting a balanced use of technology. When adolescents reduce their dependency on mobile devices, they can alleviate anxiety and re-establish authentic social connections, which are essential for emotional well-being. By overcoming FoMO, they regain control over their time and prioritize **face-to-face communication** and **meaningful offline relationships**, which are critical for developing **empathy** and **social skills** (Hessari, 2023). Moreover, reducing **FoMO** leads to a significant decrease in **social media pressure** and **social comparison**, improving **self-esteem** and mental health (Sidnam and Monge, 2024). Adolescents who can **disconnect from constant digital updates** have **stronger personal relationships**, leading to **greater happiness** and **resilience** (Jahrami *et al.*, 2022). This shift not only reduces isolation but also enhances **emotional growth**, allowing adolescents to thrive in their social environments.

H2: Fear of missing out positively impact poor personal connection among adolescents in the current society.

2.3. Research Model

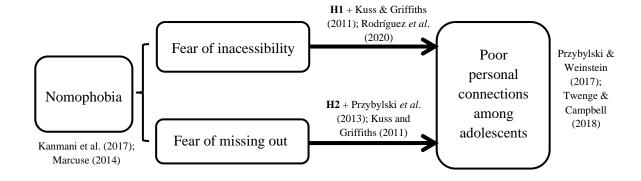


Figure No.1 The paper's research model

3. Methodology

3.1. Research approach and strategy

Quantitative and qualitative research methodologies are widely employed in the social sciences. The authors choose to apply a quantitative method in this study. The quantitative research approach is described as the collecting and analysis of numerical data to evaluate and validate phenomena (Creswell and Creswell, 2018). This strategy frequently employs statistical techniques to examine data, allowing quantifiable and objective conclusions to be formed (Babbie, 2010). From there, the authors can better answer research questions and discover the relationship between factors. This work uses the deductive technique, which is connected with the quantitative approach, to assist form inferences, predict, and confirm hypotheses based on statistical data.

3.2. Method: sample and procedure

To establish data accuracy, the sampling technique, population, and size must all be precisely stated (Bryman, 2012). The two most common forms of sampling strategies employed in scientific research are probability sampling and non-probability sampling (Bryman, 2012). The authors opt to utilize a probability sampling strategy in the study to improve the accuracy of the research findings. Thus, conducting a survey is an appropriate method used in this paper. In the survey, the authors employ a 5-level Likert scale to describe rising levels and collect answer data in numerical form. Respondents indicate their level of agreement with the survey question on a scale of 1 to 5, with 1 indicating "strongly disagree" and 5 indicating "strongly agree" (Brown, 2011). Responses may only be used for research purposes (Brown, 2011). Then the authors officially sent questions in the in-person manner and online to some websites of local high schools, colleges and Asian schools where lots of international students from Asian regions are studying. Regarding sampling technique, the paper uses stratified sampling technique with 50% of respondents coming from Asian countries and the rest in the local. Accordingly, Krejcie & Morgan (1970) stated that the sample size of 260 is suitable for social and behavioral survey research, especially studies with a defined population. The study requires high accuracy because it only takes the results of the survey respondents with the answer "yes" to the question "Do you have your own mobile phone" in the Background Information section of online and in-person survey. Moving forward, simple random sampling is employed to randomly select 260 out of 518 observations collected. Then, the selection was stratified by age of respondents: 60% (156 people) 13-to-19-year-old teenagers, 20% (52 people) 20-to-22-year-old college and university students and 20% (52 people) over-23-year-old working people to consult opinions on the impact of mobile phones.

3.3 Data analysis description

SPSS tool was utilized for a comprehensive analyses of descriptive statistics of relevant variables on the survey results. Then, Cronbach's Alpha is run to test reliability and measure the internal consistency of survey items. Subsequently, this paper employs EFA to explore the relationships among a large number of sub-variables to reduce them into fewer components. Moving forward, Pearson correlation analysis is to measure the strength and direction of linear relationship among variables. Finally, linear regression is used to test hypotheses and determine whether the two independent variables, namely Fear of inaccessibility and Fear of missing out, significantly affects the dependent one known as Poor personal connections.

4. Results

4.1. Descriptive analysis

Statistics

| | | PPC1 | PPC2 | PPC3 | PPC4 |
|------|-------------|------|------|------|------|
| N | Valid | 260 | 260 | 260 | 260 |
| | Missing | 0 | 0 | 0 | 0 |
| Mea | an | 4.32 | 4.67 | 4.22 | 4.16 |
| Mod | de | 4 | 5 | 5 | 5 |
| Std. | . Deviation | .695 | .415 | .238 | .868 |

Table No.1 Descriptive Statistics of the dependent variables

The mean of PPC1 = 4.51 indicates that, on average, respondents strongly agree that Poor personal connection among adolescents refers to challenges in direct communication, diminished empathy, social isolation, and struggles in building meaningful relationships, frequently intensified by reliance on digital devices. According to the mode

of PPC1 = 4, the majority of participants agree that Poor personal connection among adolescents describes difficulties with face-to-face interaction, decreased empathy, feelings of isolation, and trouble forming deep relationships, often worsened by dependence on digital technology. With regards to standard deviation of PPC1 = 0.695, which explains the variability of the respondents' answer towards the value of mean of 4.51. Similarly, we can see this same analysis for the rest of sub-variables in the tables (see *Table No.5* in Appendix A).

4.2. Cronbach's Alpha

| | | Item-Total Statistics | | | | | | | |
|---------------|------------|-----------------------|---------------|-------------------|-------------------|---------------|--|--|--|
| | | | Scale Mean if | Scale Variance if | Corrected Item- | Cronbach's | | | |
| | | | Item Deleted | Item Deleted | Total Correlation | Alpha if Item | | | |
| Reliability S | tatistics | | | | | Deleted | | | |
| • | | PPC1 | 11.16 | 14.085 | .924 | .942 | | | |
| Cronbach's | N of Items | PPC2 | 11.28 | 13.891 | .946 | .936 | | | |
| Alpha | | PPC3 | 11.28 | 14.331 | .793 | .982 | | | |
| .961 | 4 | PPC4 | 11.20 | 13.440 | .958 | .931 | | | |

Table No.2 Cronbach's Alpha of dependent variable PPC

It is obvious that each sub-variable within the Poor personal connections among adolescents has a corrected item-total correlation coefficient of 0.3 or higher. The Cronbach's Alpha coefficient was then calculated to be 0.961, which exceeded the recommended threshold of 0.6 and produced higher values than the Cronbach's Alpha if the appropriate item was eliminated. Furthermore, the

Cronbach's Alpha for item deleted exceeded the corrected item-total correlations for all subvariables. Cronbach's Alpha analyses of the remaining independent variables yielded similar results. Therefore, no sub-variables were rejected. Similarly, we can see this same analysis for the rest of variables in the tables (see *Table No.6* in Appendix A).

| Rotated Component Matrix ^a | | | | | | | | | |
|---------------------------------------|--------------------------------------|--------------|--|--|--|--|--|--|--|
| Component with loading factors | | | | | | | | | |
| 1 | 2 | 3 | | | | | | | |
| PPC1 .992 | FOI1 .594 | FoMO1 .596 | | | | | | | |
| PPC2 .978 | FOI2 .835 | FoMO2 .654 | | | | | | | |
| PPC3 .947 | FOI3 .835 | FoMO3 .897 | | | | | | | |
| PPC4 .749 | FOI4 .834 | FoMO4 .814 | | | | | | | |
| Extraction M | ethod: Princip | al Component | | | | | | | |
| Analysis. | | _ | | | | | | | |
| Rotation Met | Rotation Method: Varimax with Kaiser | | | | | | | | |
| Normalization. | Normalization. | | | | | | | | |
| a. Rotation con | verged in 7 itera | tions. | | | | | | | |

Table No.3 Rotated Component Matrix

4.3. Exploratory Factor Analysis (EFA)

The rotated component matrix arranged 12 subvariables into three factors. Throughout this process, no subvariables were omitted. The subvariables all have factor loading coefficients greater than 0.5.

4.4. Linear Regression Model

PPC (Poor personal connections among adolescents): Mean of PPC1, PPC2, PPC3, PPC4

FOI (Fear of inacessibility): Mean of FOI1, FOI2, FOI3, FOI4

FoMO (Fear of missing out): Mean of FoMO1, FoMO2, FoMO3, FoMO4

Coefficients

| Model | Unstandardized Coefficients | | nts Standardized Co | efficientst | Sig. | Collinearity Statistics | | |
|--------------|-----------------------------|------------|---------------------|-------------|-------|-------------------------|-------|--|
| | В | Std. Error | Beta | | | Tolerance | VIF | |
| 1 (Constant) | 2.684 | .110 | | 24.44 | 8.000 | | | |
| FOI | .959 | .063 | .892 | 15.13 | 000. | .183 | 1.476 | |
| FoMO | .754 | .038 | .859 | 19.75 | 8.000 | .335 | 1.994 | |

Table No.4 shows that the significant level (Sig.) of 0.000, which is lower than the $\alpha = 0.05$, was obtained from the t-test performed on the three variables. According to this, each subvariable has a major effect on the outcome variable, which is Poor personal connections among adolescents. Therefore, none of the two hypotheses are disproved.

Table No.4 Coefficients

Coefficients of Standardization (PPC) = 0.892 FOI + 0.859 FoMO + u

Therefore, more than any other element, the Fear of inaccessibility and the Fear of missing out has a positive effect on Poor personal connections among adolescents.

5. Discussion

5.1. Summary Results

The primary research question that the authors first raised was answered by the results. Fear of inaccessibility and Fear of missing out are two elements that have been shown to have an impact on Adolescents' poor personal connections. With a standardized coefficient of 0.892, Fear of inaccessibility has the biggest influence. Furthermore, with a standardized coefficient of 0.859, Fear of missing out is the variable with less impact, although it still has a substantial one. As a result, every sub-research topic has been addressed.

5.2. Theoretical Implications

The study's findings show that Fear of inaccessibility is one of the key characteristics associated with Poor personal connections among adolescents and is also the factor that has a stronger impact (H1). Fear of inaccessibility in adolescents reflects an increased reliance on digital connection for socialization and emotional support, which often leads to anxiety, isolation, and decreased well-being when disconnected (Kuss & Griffiths, 2017; Rodríguez et al., 2020). Philosophically, Baudrillard's (2001) postmodern theory highlights adolescents' reliance on mediated interactions, while Foucault's (2011) ideas about power dynamics suggest a fear of losing control over digital presence and social power. Addressing this issue by reducing digital dependence and promoting face-to-face interactions is effective in reducing anxiety and increasing empathy and personal connection (Bakariwie et al., 2024), emphasizing the importance of balancing digital life and face-to-face personal interactions for better mental health and social life.

The study also found that Fear of missing out has a substantial impact on Poor personal connections among adolescents (H2). FoMO significantly affects adolescents due to their dependence on digital technology and social media, leading to anxiety, stress, and dissatisfaction as they try to stay connected to online activities and updates (Przybylski *et al.*, 2013; Hayran, *et al.*, 2020). Philosophically, FoMO aligns with nihilistic ideas, in which an obsession with external validation and social comparison replaces deeper meanings in life (Van Tongeren, 2018; Nietzsche, 2017). Psychologically, CBT theory links FoMO to distortions such as catastrophizing, which promotes compulsive behaviors such as excessive social media use that create a cycle of anxiety and stress (Afdilah *et al.*, 2020; Choudhary & Saini, 2024). In Asia, high social media penetration and collective norms increase FoMO, with cultural phenomena such as the Korean "inssa"/"assa" culture and the pressure to demonstrate participation in festivals in India illustrating its prevalence (Song & Kim, 2022; Ghosh, 2011). Adolescents' preoccupation with virtual connections weakens their offline relationships, reduces face-to-face interactions, and increases mental health problems (Bloemen and De Coninck, 2020; Bragazzi and Del Puente, 2014). Addressing FoMO by promoting balanced technology use and prioritizing offline interactions will improve social skills and emotional health and promote stronger personal connections (Sidnam and Monge, 2024; Jahrami *et al.*, 2022).

5.3. Practical Implications

In general, Fear of inaccessibility is an important factor that determines the Poor personal connections among adolescents of individuals in most of age ranges (H1). The research results also supported this opinion with a standardized coefficient of 0.892. The fear of not being able to access will lead to a long-term addiction to smart phones and social media. To break the cycle of unhealthy social media use, VPIS (2017) recommends that teenagers should clearly identify the reasons for using and need to know what they want from their time using social media. Hefner & Freytag (2024) believes that the first step to using more consciously is to know why you started. When addicted to social media, teenagers will lose time in the real world. Therefore, it is necessary to be aware of the level of use and not set limits for themselves (Baochinhphu, 2017). By activating the limiter on the phone's usage, teenagers will be awakened from their addiction.

Next, according to the research results, the standardized coefficient between Fear of missing out and Poor personal connections among adolescents is 0.859, showing a statistically positive impact (**H2**). Alutaybi *et al.* (2020) created a FoMO Reduction (FoMO-R) method that includes technological features like autoreply, filtering, status, education on how FoMO arises, and skills for dealing with it, such as self-talk and checklists. Teens can take these classes to help control FoMO. Besides, Eitan & Gazit (2024) suggests to adopt the JOMO (Joy of Missing Out) mindset by setting clear goals for social media use and focusing on the future and something positive. Instead of regretting not surfing the internet, think of yourself as wanting to be more productive, not trying to look at the phone less.

5.4. Limitation

The study's limitations include two major issues: the survey results' accuracy and its validity in Asian countries. First, the study's most significant challenge is the trustworthiness of survey responds. There are many responders under the age of 19, therefore their knowledge of the survey questions' content and meaning is limited. This may have an impact on the comprehensiveness of the research findings. Second, because the study was only done in a

few educational institutions in Vietnam, the research findings may be specific to Vietnam and cannot be generalized to other similar cases around the world.

5.5. Direction for future research

First and foremost, the author should perform further investigation on this topic; consequently, respondents should be thoroughly explained about the research topics before answering the survey, since this will ensure that they have sufficient knowledge to grasp the survey questions. Second, the goal of the research is to gain a deeper understanding of the variables influencing poor personal relationships among adolescents; thus, the author requires additional time and money to expand the survey to different countries and continents. Many cultures exist in many locations, and each culture has a unique impact on the individual. As a result, broadening the study in this manner allows the author to collect more full and precise data, which has practical relevance worldwide. Third, in the future, the authors will add two new independent variables to the model, Peer Pressure and Parent-Child Relationship, to improve the research efficiency. In addition, the authors will use the SmartPLS tool to assess the influence of all independent variables.

5.6. Conclusion

The authors of this research explained both the findings and the study's limitations. Furthermore, the report offered acceptable and realistic remedies for adolescents experiencing inadequate personal connections. Controlling and improving the elements that contribute to smartphone and social media addiction, such as fear of inaccessibility and fear of missing out, is an effective technique for today's teens to avoid these difficulties. Furthermore, the scientists identified a positive relationship between fear of inaccessibility and fear of missing out among teenagers with poor personal relationships. In conclusion, the study met its aims and research questions.

References

For Journals

- Allen, K. A., Ryan, T., Gray, D. L., McInerney, D. M., & Waters, L. (2014). Social media use and social connectedness in adolescents: The positives and the potential pitfalls. *The Educational and Developmental Psychologist*, *31*(1), 18–31.
- Alutaybi, A., Al-Thani, D., McAlaney, J., & Ali, R. (2020). Combating fear of missing out (FoMO) on social media: The FoMO-R method. *International Journal of Environmental Research and Public Health*, 17(17), 6128.
- Argumosa-Villar, L., Boada-Grau, J., & Vigil-Colet, A. (2017). Exploratory investigation of theoretical predictors of nomophobia using the Mobile Phone Involvement Questionnaire (MPIQ). *Journal of Adolescence*, *56*, 127–135.
- Bloemen, N., & De Coninck, D. (2020). Social media and fear of missing out in adolescents: The role of family characteristics. *Social Media + Society*, *6*(4), 2056305120965517.
- Bragazzi, N. L., & Del Puente, G. (2014). A proposal for including nomophobia in the new DSM-V. *Psychology Research and Behavior Management*, 155–160.
- Brown, J. D. (2011). Likert items and scales of measurement. Statistics, 15(1), 10–14.
- Chan, S. J., Yeo, K. J., & Handayani, L. (2023). Types of smartphone usage and problematic smartphone use among adolescents: A review of literature. *International Journal of Evaluation and Research in Education* (*IJERE*), 12(2), 563. https://doi.org/10.11591/ijere.v12i2.22909
- Drew, R. (2016). Technological determinism. A Companion to Popular Culture, 165–183.
- Elissavet Vagka, Gnardellis, C., Lagiou, A., & Notara, V. (2024). Smartphone use and social media involvement in young adults: Association with nomophobia, Depression Anxiety Stress Scales (DASS), and self-esteem. *International Journal of Environmental Research and Public Health*, 21(7), 920–920. https://doi.org/10.3390/ijerph21070920
- Ergin, Z. O., & Ozer, A. (2023). Unravelling the relation between fear of missing out, time spent on the phone, sex, alienation, and nomophobia. *Psychological Reports*, *126*(1), 181–197.
- Ergün, G., & Ozer, G. (2023). Adolescents in the digital age: Understanding the role of technology in shaping social bonds. *Journal of Adolescent Studies*, 45(2), 102–119.
- Gezgin, D. M. (2018). Understanding patterns for smartphone addiction: Age, sleep duration, social network use and fear of missing out. *Kıbrıslı Eğitim Bilimleri Dergisi, 13*(2), 166–177.
- Ghosh, B. (2011). Cultural changes and challenges in the era of globalization: The case of India. *Journal of Developing Societies*, 27(2), 153–175. https://doi.org/10.1177/0169796X1102700203

- Gohar, A., & Munir, M. (2022). Attachment styles and nomophobia in young adults: The mediating role of mindful awareness. Pakistan Journal of Psychological Research (PJPR), 37(4), 637–652. https://doi.org/10.33824/PJPR.2022.37.4.38
- Gurbuz, I. B., & Ozkan, G. (2020). What is your level of nomophobia? An investigation of prevalence and level of nomophobia among young people in Turkey. Community Mental Health Journal, 56(5), 814–822.
- Hayran, C., Anik, L., & Gürhan-Canli, Z. (2020). A threat to loyalty: Fear of missing out (FOMO) leads to reluctance to repeat current experiences. PLOS ONE, 15(4), e0232318.
- Hefner, D., & Freytag, A. (2024). Consciously connected: The role of mindfulness for mobile phone connectedness and stress. Media Psychology, 27(4), 503–532.
- Humood, A., Altooq, N., Altamimi, A., Almoosawi, H., Alzafiri, M., Bragazzi, N. L., Husni, M., & Jahrami, H. (2021). The prevalence of nomophobia by population and by research tool: A systematic review, metaanalysis, and meta-regression. Psych, 3(2), 249–258. https://doi.org/10.3390/psych3020019
- Jahrami, H., Trabelsi, K., Boukhris, O., Hussain, J. H., Alenezi, A. F., Humood, A., Saif, Z., Pandi-Perumal, S. R., & Seeman, M. V. (2022). The prevalence of mild, moderate, and severe nomophobia symptoms: A systematic review, meta-analysis, and meta-regression. Behavioral Sciences, 13(1), 35.
- Jin, X., Jiang, Q., Xiong, W., & Zhao, W. (2023). Effects of use motivations and alexithymia on smartphone addiction: Mediating role of insecure attachment. Frontiers in Psychology, 14. https://doi.org/10.3389/fpsyg.2023.1227931
- Kanmani, A., Bhavani, U., & Maragatham, R. S. (2017). Nomophobia An insight into its psychological aspects in India. The International Journal of Indian Psychology, 4(2), 5–15.
- King, P. E., & Roeser, R. W. (2009). Religion and spirituality in adolescent development. Handbook of Adolescent Psychology, 1.
- Kuss, D. J., & Griffiths, M. D. (2017). Social networking sites and addiction: Ten lessons learned. *International* Journal of Environmental Research and Public Health, 14(3), 311.
- Kuss, D. J., & Griffiths, M. D. (2011). Online social networking and addiction—a review of the psychological literature. International Journal of Environmental Research and Public Health, 8(9), 3528–3552.
- Kuss, D. J., & Griffiths, M. D. (2012). Internet gaming addiction: A systematic review of empirical research. International Journal of Mental Health and Addiction, 10, 278–296.
- Lee, S. J. (2019). Impact of social media use on adolescent mental health: A systematic review. Cyberpsychology, Behavior, and Social Networking, 22(6), 1–9.
- Lövheim, M. (2017). Religious socialization in a media age. Nordic Journal of Religion and Society, 25(2), 151-
- Medrano-Sánchez, E. J., Sofia, L., & Medrano-Sánchez, G. M. (2024). Towards understanding nomophobia: A systematic review of its prevalence, causes, and effects in educational settings. Academic Journal of Interdisciplinary Studies, 13(6), 306–306. https://doi.org/10.36941/ajis-2024-0196
- Ngo, T. T. A., Nguyen, H. L. T., Nguyen, H. P., Mai, H. T. A., Mai, T. H. T., & Hoang, P. L. (2024). A comprehensive study on factors influencing online impulse buying behavior: Evidence from Shopee video platform. Heliyon, 10(15).
- Notara, V., Vagka, E., Gnardellis, C., & Lagiou, A. (2021). The emerging phenomenon of nomophobia in young adults: A systematic review study. Addiction & Health, 13(2), 120.
- Park, J., & Kim, S. (2024). Why do users perceive digital platforms as indispensable to their lives?: A study on KakaoTalk in Korea. Telecommunications Policy, 48(10), Article 102863. https://doi.org/10.1016/j.telpol.2024.102863
- Patani, N. S., & Kiran, B. N. C. (2023). Smartphone use, fear of missing out (FOMO), and social connectedness among college students. International Journal of Indian Psychology, 11(3), 4584–4594. https://doi.org/10.25215/1103.427
- Power, M. (2011). Foucault and sociology. Annual Review of Sociology, 37(1), 35–56.
- Przybylski, A. K., & Weinstein, N. (2019). Digital screen time limits and young children's psychological wellbeing: Evidence from a population-based study. Child Development, 90(1), e56–e65.
- Rodríguez-García, A. M., Moreno-Guerrero, A. J., & López Belmonte, J. (2020). Nomophobia: An individual's growing fear of being without a smartphone—a systematic literature review. International Journal of Environmental Research and Public Health, 17(2), 580.
- Ryan, R. M., & Kuczkowski, R. (1994). The imaginary audience, self-consciousness, and public individuation in adolescence. Journal of Personality, 62(2), 219-238.
- Song, H. Y., & Kim, J. H. (2022). Smartphone use type, fear of missing out, social support, and smartphone screen time among adolescents in Korea: Interactive effects. Frontiers in Public Health, 10, Article 822741. https://doi.org/10.3389/fpubh.2022.822741
- Srivastava, S., Rishi, B., & Belwal, R. (2024). Linking fear of missing out and psychological well-being: A multicountry study. Journal of Consumer Marketing, 41(4), 391–405. https://doi.org/10.1108/JCM-02-2023-5209

- Thakur, P. B. (2016). Social media and social movement: Contemporary online activism in Asia. *Media Watch*, 7(2), 226–243.
- Velez, G., & Spencer, M. B. (2018). Phenomenology and intersectionality: Using PVEST as a frame for adolescent identity formation amid intersecting ecological systems of inequality. *New Directions for Child and Adolescent Development*, 2018(161), 75–90.
- Yildirim, C., & Correia, A. P. (2015). Exploring the dimensions of nomophobia: Development and validation of a self-reported questionnaire. *Computers in Human Behavior*, 49, 130–137.https://doi.org/10.1016/j.chb.2015.02.059
- Yu, S., & Sussman, S. (2020). Does smartphone addiction fall on a continuum of addictive behaviors? *International Journal of Environmental Research and Public Health*, 17(2), 422.

For Books

Adorno, T. W., & Horkheimer, M. (2019). Towards a new manifesto. Verso Books.

Aron, A., Aron, E. N., & Norman, C. (2003). Self-expansion model of motivation and cognition in close relationships and beyond. In *Blackwell Handbook of Social Psychology: Interpersonal Processes* (pp. 478–501).

Babbie, E. (2010). The practice of social research (12th ed.). Belmont, CA: Wadsworth.

Baudrillard, J. (2001). Jean Baudrillard: Selected writings. Stanford University Press.

Bowlby, J. (1973). Attachment and loss: Separation, anxiety and anger. Basic Books.

Bryman, A. (2012). Social research methods (4th ed.). New York, NY: Oxford University Press.

Chen, Y., Mao, Z., & Qiu, J. L. (2018). Super-sticky WeChat and Chinese society. Emerald Publishing Limited.

Creswell, J. W., & Creswell, J. D. (2018). *Research design: Qualitative, quantitative, and mixed methods approaches* (5th ed.). Los Angeles, CA: SAGE.

Hall, S. (2024). Culture, the media and the 'ideological effect.' In *New Critical Writings in Political Sociology* (pp. 341–374). Routledge.

Heidegger, M. (2014). German existentialism. Open Road Media.

Marcuse, H. (2014). *Marxism, revolution and utopia: Collected papers of Herbert Marcuse, volume 6.* Routledge. Nietzsche, F. (2017). *The will to power.* Penguin UK.

Sartre, J. P. (2008). Between existentialism and Marxism. Verso Books.

Van Tongeren, P. (2018). Friedrich Nietzsche and European nihilism. Cambridge Scholars Publishing.

For Web and Online Sources

Baohchinhphu. (2017). Social networks have a great impact on users' psychology. Retrieved from https://baochinhphu.vn/mang-xa-hoi-tac-dong-lon-toi-tam-ly-nguoi-dung-102226604.htm

VPIS. (2017). Workshop "Social media and their psychological impact on users 2017." Retrieved from https://vpis.edu.vn/workshop-social-media-and-their-psychological-impact-on-users-2017

For Conference Proceedings

- Afdilah, I. H., Hidayah, N., & Lasan, B. B. (2020). Fear of missing out (FOMO) in analysis of cognitive behavior therapy (CBT). In 6th International Conference on Education and Technology (ICET 2020) (pp. 220–223). Atlantis Press.
- Choudhary, A., & Saini, P. (2024). The psychological landscape of FOMO: Unraveling the fear of missing out. In *Mindful Media: Mental Health Challenges in the Digital Age* (p. 105).

For Theses and Dissertations

- Classen, B. (2018). Social media engagement, the fear of missing out, and psychosocial correlates: A mixed methods study (Doctoral dissertation, Auckland University of Technology).
- de Bruijn, M. P. M. (2021). Social media and the fear of missing out among adolescents: The role of peer pressure (Master's thesis).
- Hessari, H. (2023). *Exploring individuals' roles, commitment states, and human resource factors as nomophobia inhibitors in the workplace* (Doctoral dissertation, Macquarie University).

Poliability Statistics

Appendix A

| | Statistics | | | | | | | Statistics | | | | | |
|---|-------------|---------|------|------|------|------|---|------------|----------|-------|-------|-------|-------|
| ı | | | FOI1 | FOI2 | FOI3 | FOI4 | | | | FoMO1 | FoMO2 | FoMO3 | FoMO4 |
| | ,, 1 | /alid | 260 | 260 | 260 | 260 | | M | Valid | 260 | 260 | 260 | 260 |
| | N N | Missing | 0 | 0 | 0 | 0 | | IN | Missing | 0 | 0 | 0 | 0 |
| | Mean | | 4.79 | 4.65 | 4.38 | 4.27 | П | Mean | | 4.51 | 4.35 | 4.62 | 4.13 |
| | Mode | | 4 | 5 | 4 | 5 | П | Mode | | 4 | 4 | 4 | 5 |
| | Std. Deviat | tion | .795 | .760 | .549 | .633 | П | Std. De | eviation | .687 | .765 | .720 | .555 |

Table No.5 Descriptive Statistics of 2 relevant independent variables

| Cront | oha | N of Ite | | | | | ability St ach's ha | N of Ite | | | |
|-------|----------|----------|-------------------|-------------------|--------------------------|-------|---------------------------|----------|-------------------|-------------------|--------------------------|
| | .813 | | 4_ | | | | .760 | | 4 | | |
| | | | Item-Total Sta | tistics | | | | | Item-Total Sta | tistics | |
| | Scale Me | ean if | Scale Variance if | Corrected Item- | Cronbach's | | Scale M | tean If | Scale Variance If | Corrected Item- | Cronbach's |
| | Item De | leted | Item Deleted | Total Correlation | Alpha if Item Deleted | | Item De | eleted | Item Deleted | Total Correlation | Alpha if Item Deleted |
| FOI1 | | 10.68 | 11.223 | .759 | .805 | FoMO1 | | 10.62 | 10.257 | .638 | .752 |
| FOI2 | | 9.23 | 10.805 | .763 | .795 | FoMO2 | | 9.58 | 9.887 | .845 | .657 |
| FOI3 | | 10.61 | 11.992 | .812 | .867 | FoMO3 | | 9.79 | 11.035 | .723 | .743 |
| FOI4 | | 12.47 | 12.575 | .797 | .802 | FoMO4 | | 11.35 | 12.099 | .715 | .748 |

Table No.6 Cronbach's Alpha of the 2 relevant independent variables

| Kaiser-Meyer-Olkin Measure of | .869 | |
|-------------------------------|--------------------|---------|
| | Approx. Chi-Square | 555.209 |
| Bartlett's Test of Sphericity | df | 47 |
| | Sig. | .000 |

Table No.7 KMO and Barlett's Test

The Kaiser-Meyer-Olkin (KMO) measure and Bartlett's Test results show that the KMO value is 0.869, which falls within the acceptable range of 0.5 to 1. This indicates that factor analysis is appropriate for this research.

| | | PPC | FOI | FoMO |
|------|---------------------|--------|--------|--------|
| | Pearson Correlation | 1 | .795** | .830** |
| PPC | Sig. (2-tailed) | | .000 | .000 |
| | N | 260 | 260 | 260 |
| | Pearson Correlation | .795** | 1 | .575** |
| FOI | Sig. (2-tailed) | .000 | | .003 |
| l | N | 260 | 260 | 260 |
| FoMO | Pearson Correlation | .830** | .575** | 1 |
| l | Sig. (2-tailed) | .000 | .003 | |
| | N | 260 | 260 | 260 |

^{**.} Correlation is significant at the 0.01 level (2-tailed).

Table No.8 Person Correlations of 3 relevant variables

As illustrated in the table, the Sig. (2-tailed) p-value for the relationship between Poor Personal Connections (PPC) and Fear of Inaccessibility (FOI) is 0.000, which is less than the significance level $\alpha=0.01$. This indicates a statistically significant correlation. Additionally, the Pearson correlation coefficient of 0.795 suggests a strong positive correlation between these variables. Similar strong positive correlations were also identified when analyzing the relationships between the primary variables and the other independent variables.

Model Summaryb

| Model | R | R | Adjusted R | Std. Error | Durbin-Watson |
|-------|-------|--------|------------|------------|---------------|
| | | Square | Square | of the | |
| | | | | Estimate | |
| 1 | .871ª | .758 | .757 | .60999 | .860 |

a. Predictors: (Constant), FOI, FoMO

Table No.9 Model Summary

The R Square value of 0.758, which is greater than zero, suggests that the model exists. The Adjusted R Square score of 0.757 indicates that the predictor factors account for 75.7% of the variance in the outcome variable, Poor personal connections among adolescents, with the remaining 24.3% ascribed to external variables and random error.

ANOVA^a

| Model | Sum of | df | Mean | F | Sig. |
|--------------|---------|-----|---------|-----|-------|
| | Squares | | Square | | |
| 1 Regression | 445.152 | 2 | 148.384 | 398 | .000b |
| Residual | 141.766 | 257 | .372 | | |
| Total | 586.918 | 259 | | | |

a. Dependent Variable: PPC

b. Predictors: (Constant), FOI, FoMO

Table No.10 ANOVA

The regression model is statistically valid because The F test's (Sig.) value of 0.000 is less than $\alpha = 0.05$.

APPENDIX B

Main Survey Questions:

 $https://docs.google.com/forms/d/e/1FAIpQLSeZz3lhRJDLf6ZxC2AmaeApw53OqOSxw_LsQyp_HLOv2ex5kw/viewform$

FOI1, FOI2, FOI3, FOI4 coded for survey questions 1, 2, 3, 4 of independent variable 1 respectively **FoMO1, FoMO2, FoMO3, FoMO4** coded for survey questions 1, 2, 3,4 of independent variable 2 respectively **PPC1, PPC2, PPC3, PPC4** coded for survey questions 1, 2, 3, 4 of the dependent respectively

Acknowledgement

The authors appreciate all those who participated in the study and helped to facilitate the research process.

Conflict of Interest

The authors declared no conflict of interest

b. Dependent Variable: PPC