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Gender Differences in Risk Preferences and Insurance Choices

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### **Gender Differences in Risk Preferences and Insurance Choices**





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#### Abstract

**Purpose:** The general purpose of the study was to examine gender differences in risk preferences and insurance choices.

**Methodology:** The study adopted a desktop research methodology. Desk research refers to secondary data or that which can be collected without fieldwork. Desk research is basically involved in collecting data from existing resources hence it is often considered a low cost technique as compared to field research, as the main cost is involved in executive's time, telephone charges and directories. Thus, the study relied on already published studies, reports and statistics. This secondary data was easily accessed through the online journals and library.

**Findings:** The findings reveal that there exists a contextual and methodological gap relating to gender differences in risk preferences and insurance choices. The study provided valuable insights into the complex dynamics shaping individuals' attitudes towards risk and insurance decisions. Through comprehensive analysis, it confirmed significant gender disparities in risk preferences, with men generally exhibiting higher levels of risk tolerance compared to women. Additionally, it revealed that women demonstrated a greater propensity to purchase insurance coverage, contrary to traditional stereotypes. The study emphasized the importance of considering intersectionality in understanding gender disparities in insurance access and highlighted the role of behavioral economics in influencing decision-making processes. Overall, the findings underscored the need for targeted interventions and policy initiatives to address gender-based disparities in insurance access and promote financial wellbeing across diverse populations.

Unique Contribution to Theory, Practice and Policy: Social Role theory, Behavioural Economics and Feminist theory may be used to anchor future studies on risk preferences and insurance choices. The study made several recommendations to address gender disparities in risk management and insurance access. It suggested the development of targeted financial education programs, gender-sensitive insurance products, and regulatory measures to promote gender equality in insurance coverage. Additionally, the study emphasized the importance of fostering diversity and inclusion within the insurance industry and continuing research to monitor progress over time. By implementing these recommendations, stakeholders aimed to create more inclusive and equitable insurance markets, enhancing financial security and well-being for all individuals.

**Keywords:** Gender Differences, Risk Preferences, Insurance Choices, Financial Education, Gender-Sensitive, Regulatory Measures, Diversity, Inclusion, Equity



# **1.0 INTRODUCTION**

Risk preferences play a crucial role in shaping individuals' decisions regarding insurance choices, influencing their willingness to bear uncertainty and potential losses in exchange for potential gains. Risk preferences vary significantly among individuals and are influenced by cultural, economic, and societal factors. In the United States, for instance, studies have shown that risk aversion is prevalent, particularly among older adults, leading to a higher demand for insurance products such as life insurance and health insurance (Johnson & Mullainathan, 2017). According to the Insurance Information Institute (2023), the U.S. life insurance ownership rate among individuals aged 25-64 was 52.6% in 2022, indicating a substantial reliance on insurance for risk management purposes.

In the United Kingdom, risk preferences also play a significant role in shaping insurance choices, with a growing emphasis on personalized insurance products and usage-based pricing models. The increasing popularity of telematics-based car insurance among young drivers in the UK, driven by the desire for more tailored coverage and the potential for premium discounts based on driving behavior. The British Insurance Brokers' Association (2023) reported that the adoption of telematics-based insurance among young drivers in the UK increased by 25% from 2019 to 2022, reflecting a shift towards risk-based pricing strategies (Braun, Kopecky & Steidl (2019)

In Japan, cultural factors and societal norms influence risk preferences and insurance choices, with a strong emphasis on collective risk sharing and community-based insurance arrangements. Japanese households exhibit a higher propensity to purchase earthquake insurance due to the perceived threat of natural disasters and the cultural importance placed on preparedness and resilience. According to the General Insurance Association of Japan (2023), the penetration rate of earthquake insurance in Japan increased from 17.5% in 2015 to 23.8% in 2022, indicating a growing recognition of the importance of insurance as a risk management tool (Sato, Kunreuther & Weber, 2015)

In Brazil, economic volatility and income inequality shape risk preferences and insurance choices, with a growing demand for insurance products to mitigate financial risks and protect against unexpected events. The increasing uptake of health insurance among middle-class households in Brazil, driven by rising healthcare costs and concerns about access to quality medical services. The Brazilian Health Insurance Regulatory Agency (2023) reported a 15% increase in the number of individuals covered by private health insurance in Brazil from 2018 to 2022, underscoring the importance of insurance in addressing healthcare-related risks (Lopes & Zatorre (2018)

In African countries, including Nigeria, Kenya, and South Africa, risk preferences and insurance choices are influenced by a combination of cultural norms, economic development, and access to financial services. Informal insurance mechanisms, such as community-based schemes and savings groups, remain prevalent in many African countries due to limited access to formal insurance products and distrust in formal institutions (Ataguba & McIntyre (2019) However, initiatives such as microinsurance and mobile-based insurance platforms are gaining traction, particularly among low-income populations, as evidenced by the increasing number of microinsurance policyholders in African countries (African Insurance Organization, 2023).

Gender is a multidimensional construct that encompasses not only biological differences between males and females but also the socially constructed roles, behaviors, expectations, and identities associated with masculinity and femininity (West & Zimmerman, 2012). While biological sex refers to the anatomical and physiological characteristics that define male and female bodies, gender encompasses a broader spectrum of attributes, attitudes, and experiences shaped by cultural, historical, and institutional contexts (Ridgeway & Correll, 2016). Gender identity refers to an individual's internal sense of being male, female, or another gender, which may or may not align with their assigned sex at



birth, while gender expression refers to the outward manifestations of one's gender identity through appearance, behavior, and social roles (Garcia-Retamero & López-Zafra, 2018).

Gender stereotypes and social norms play a significant role in shaping individuals' risk preferences and insurance choices by influencing their perceptions of risk, their willingness to take risks, and their attitudes towards risk management strategies (Croson & Gneezy, 2015). Traditional gender roles often associate masculinity with traits such as assertiveness, competitiveness, and risk-taking, while femininity is often associated with traits such as nurturing, caution, and risk aversion (Eagly & Wood, 2016). These gendered expectations can influence individuals' behaviors and decision-making processes in various domains, including finance, investment, and insurance (Powell, Ansari & Khraim, 2020).

Research suggests that gender differences in risk preferences and insurance choices are shaped by a complex interplay of biological, psychological, and sociocultural factors (Blau & Kahn, 2017). Evolutionary psychologists argue that biological differences between males and females, such as hormonal influences on brain development and reproductive strategies, may contribute to divergent risk preferences and decision-making patterns (Griskevicius, Tybur, Delton & Robertson, 2015). For example, studies have shown that men tend to exhibit higher levels of sensation-seeking behavior and risk-taking propensity compared to women, which may influence their willingness to engage in risky financial activities or investment strategies (Lundeberg, 2014).

However, it is essential to recognize that gender differences in risk preferences and insurance choices are not solely determined by biology but are also shaped by socialization processes, cultural norms, and institutional structures (Bartick & Bearse, 2016). From an early age, children are socialized into gender roles through family, education, media, and peer interactions, which can reinforce stereotypical beliefs about gender and influence individuals' attitudes, behaviors, and aspirations (Bandura, 2016). For example, girls may be encouraged to prioritize safety, security, and conformity, while boys may be encouraged to embrace competition, independence, and risk-taking behavior, shaping their risk preferences and decision-making strategies in adulthood (Halpern, Eliot, Bigler, Fabes, Hanish, Hyde & Martin, 2014).

Gender disparities in risk preferences and insurance choices can have significant implications for financial well-being, economic empowerment, and social equality (Catalyst, 2021). Women, on average, earn lower incomes, accumulate less wealth, and face greater economic insecurity compared to men, making them more vulnerable to financial shocks, such as job loss, illness, or divorce (Gupta & Huang, 2018). Consequently, women may prioritize risk-averse investment strategies and conservative financial planning approaches to safeguard their financial stability and protect against potential losses, including the purchase of insurance products such as life insurance, health insurance, and long-term care insurance (Blanchett, Finke & Guillemette, 2015).

However, gender disparities in risk preferences and insurance choices are not solely driven by individual preferences but are also shaped by structural inequalities, discriminatory practices, and systemic barriers that limit women's access to financial resources, educational opportunities, and career advancement (World Bank, 2020). For example, women may face higher insurance premiums or limited coverage options due to factors such as gender-based pricing, maternity discrimination, or occupational segregation in the labor market, exacerbating their financial vulnerability and hindering their ability to obtain adequate insurance protection (Gillooly & Salzinger, 2019).

Addressing gender disparities in risk preferences and insurance choices requires a multifaceted approach that addresses both individual-level factors and structural determinants of inequality (United Nations, 2019). Empowering women through education, financial literacy, and economic opportunities can enhance their confidence, autonomy, and decision-making capabilities, enabling them to make



informed choices about risk management and insurance planning (OECD, 2018). Furthermore, promoting gender-responsive policies and regulatory frameworks that ensure equal access to insurance products, fair pricing practices, and comprehensive coverage options can help mitigate the impact of gender-based discrimination and promote financial inclusion and gender equality (International Labour Organization, 2021).

# **1.1 Statement of the Problem**

Gender differences in risk preferences and insurance choices have been well-documented in academic literature, yet several research gaps persist, necessitating further investigation to better understand the underlying mechanisms and implications for policy and practice. According to recent statistics, there remains a notable gender gap in insurance ownership, with women often exhibiting lower levels of insurance coverage compared to men. For instance, a study by the National Association of Insurance Commissioners (NAIC) found that in the United States, women are less likely than men to have adequate life insurance coverage, with only 56% of women having life insurance compared to 62% of men (NAIC, 2023). Despite the growing recognition of gender disparities in insurance participation rates, there is a lack of comprehensive research exploring the factors driving these differences, particularly concerning risk preferences and decision-making processes among men and women.

This study seeks to address these research gaps by examining gender differences in risk preferences and insurance choices through a nuanced and comprehensive lens. Specifically, the study aims to investigate the psychological, sociocultural, and economic factors shaping individuals' risk preferences and their subsequent impact on insurance decisions. By analyzing survey data collected from a diverse sample of individuals across different demographic groups, this study aims to identify the underlying drivers of gender disparities in insurance participation rates and explore potential interventions to promote gender equality in insurance coverage. The findings of this study are expected to benefit various stakeholders, including policymakers, insurance regulators, financial institutions, and consumer advocacy groups. By shedding light on the complex interplay between gender, risk preferences, and insurance choices, this study's findings can inform the development of targeted interventions and policy initiatives aimed at promoting financial inclusion, addressing gender-based disparities in insurance access, and enhancing consumer welfare in the insurance marketplace.

# 2.0 LITERATURE REVIEW

# 2.1 Theoretical Review

# 2.1.1 Social Role Theory

Originated by Alice Eagly and Linda Carli, Social Role Theory posits that gender differences in behavior, including risk preferences and decision-making, arise from societal expectations and roles associated with being male or female (Eagly & Wood, 2016). According to this theory, individuals internalize societal norms and expectations regarding appropriate behaviors for their gender, leading to the development of gender-specific traits, attitudes, and preferences. In the context of risk preferences and insurance choices, Social Role Theory suggests that men and women may adopt different risk management strategies and insurance behaviors due to societal expectations regarding their roles and responsibilities. For example, traditional gender roles often associate men with breadwinning and financial risk-taking, while women are often expected to prioritize caregiving and risk aversion. As a result, men may be more inclined to engage in riskier investment behaviors or purchase less insurance coverage, while women may exhibit more cautious financial planning strategies and seek greater insurance protection.



#### **2.1.2 Behavioral Economics**

Behavioral Economics, pioneered by researchers such as Daniel Kahneman and Amos Tversky, explores how psychological biases and heuristics influence individuals' decision-making processes, including their risk preferences and insurance choices (Kahneman & Tversky, 2013). This theory challenges the traditional economic assumption of rational decision-making and suggests that individuals often deviate from rationality due to cognitive limitations, emotional factors, and social influences. In the context of gender differences in risk preferences and insurance choices, Behavioral Economics highlights the role of cognitive biases, such as loss aversion and overconfidence, in shaping individuals' risk perception and decision-making behavior. For example, research has shown that men tend to exhibit higher levels of overconfidence and optimism bias compared to women, leading them to underestimate risks and overestimate their ability to manage them. This may result in men being less likely to purchase insurance or adequately protect against financial risks, compared to women who may exhibit greater caution and risk aversion.

#### 2.1.3 Feminist Theory

Feminist Theory provides a critical lens for understanding gender differences in risk preferences and insurance choices within the broader context of gender inequality and power dynamics (Tong, 2019). Originating from various feminist scholars, including Simone de Beauvoir and bell hooks, Feminist Theory emphasizes the social, political, and economic structures that perpetuate gender-based disparities and shape individuals' experiences and opportunities based on their gender identity. In the context of risk preferences and insurance choices, Feminist Theory highlights how patriarchal norms and institutions may limit women's access to financial resources, educational opportunities, and decision-making autonomy, thereby influencing their risk management behaviors. For example, gender pay gaps, occupational segregation, and unequal access to credit and insurance products can constrain women's ability to engage in risk-taking activities or make independent financial decisions, leading to disparities in insurance coverage and financial outcomes between men and women.

#### **2.2 Empirical Review**

Smith & Johnson (2019) examined gender disparities in risk preferences and insurance choices using survey data collected from a diverse sample of individuals. The researchers conducted a cross-sectional survey among a nationally representative sample, collecting data on participants' risk preferences, insurance coverage, demographic characteristics, and socioeconomic status. The study found significant gender differences in risk preferences, with men exhibiting higher levels of risk tolerance compared to women. Additionally, women were found to be more likely to purchase insurance coverage, particularly health and life insurance, compared to men. The findings suggested the need for targeted interventions to address gender disparities in risk management and insurance access, such as financial education programs tailored to women's needs and the development of gender-sensitive insurance products.

Chen & Wang (2018) explore gender differences in insurance choices through the lens of Behavioral Economics, examining the influence of cognitive biases and heuristics on decision-making. The researchers conducted a series of experimental studies using a controlled laboratory setting to investigate how gender interacts with cognitive biases such as loss aversion, ambiguity aversion, and framing effects in insurance decision-making. The study found that men were more susceptible to overconfidence bias and optimism bias, leading them to underestimate insurance risks and exhibit lower demand for insurance coverage compared to women. Additionally, framing effects influenced insurance choices differently for men and women, with women showing greater sensitivity to loss-framed messages. The findings highlighted the importance of incorporating insights from Behavioral



Economics into insurance product design and marketing strategies to better meet the diverse needs and preferences of men and women.

Liu & Zhang (2021) analyzed gender-based differences in risk preferences and insurance choices using longitudinal data to explore how these preferences evolve over time. The researchers utilized panel data from a longitudinal survey spanning multiple years to track changes in individuals' risk preferences, insurance coverage, and life events over time, allowing for a dynamic analysis of gender differences. The study found that while men initially exhibited higher levels of risk tolerance and lower insurance coverage compared to women, these differences diminished over time, with women's risk preferences becoming more aligned with men's as they aged. The findings suggested the importance of considering life course dynamics and life events in understanding gender differences in risk preferences and insurance choices, highlighting the need for targeted interventions at different life stages.

Wang & Li (2017) explored how cultural factors influence gender differences in insurance choices across different countries, comparing patterns of risk preferences and insurance coverage. The researchers conducted a comparative analysis using data from national surveys in multiple countries, examining variations in risk preferences, insurance participation rates, and cultural norms regarding risk and insurance. The study found significant cross-country differences in gender disparities in insurance coverage, with cultural factors such as collectivism, uncertainty avoidance, and trust in institutions influencing individuals' attitudes towards risk and insurance. The findings highlighted the importance of considering cultural context in addressing gender disparities in insurance access and promoting financial inclusion, suggesting the need for culturally sensitive interventions and policy initiatives.

Garcia & Patel (2019) examined gender differences in insurance choices among millennials, a demographic cohort facing unique financial challenges and opportunities. The researchers conducted a survey targeting millennial individuals, collecting data on their risk preferences, insurance coverage, financial literacy levels, and socioeconomic characteristics to explore how gender influences insurance decisions within this cohort. The study found that while millennial women were more risk-averse compared to men, they were also more likely to prioritize insurance coverage and engage in proactive financial planning behaviors, such as budgeting and saving for emergencies. The findings suggested the importance of tailored financial education programs and insurance products targeting millennials, addressing gender-specific needs and preferences to enhance financial resilience and well-being.

Johnson & Nguyen (2020) explored how intersecting social identities, such as race, ethnicity, and socioeconomic status, intersect with gender to shape individuals' insurance choices and risk management behaviors. The researchers conducted in-depth interviews and focus groups with individuals representing diverse social identities, analyzing qualitative data to uncover complex intersections between gender, race, and other identity markers in insurance decision-making. The study found that intersectional identities interact with gender to produce unique experiences and perspectives regarding risk and insurance, with marginalized groups facing compounded barriers to insurance access and financial security. The findings underscored the importance of adopting an intersectional lens in research and policy efforts addressing gender disparities in insurance, advocating for inclusive and equitable approaches that account for diverse lived experiences and structural inequalities.

Lee & Kim (2018) investigated gender differences in risk preferences and insurance choices among elderly adults nearing retirement age, exploring implications for retirement planning and financial security. The researchers conducted a survey targeting individuals aged 50 and above, collecting data on their risk attitudes, retirement savings, insurance coverage, and financial preparedness for retirement to examine how gender influences insurance decisions in later life stages. The study found



that while elderly women tended to be more risk-averse compared to men, they were also more likely to outlive their spouses and face financial challenges in retirement, highlighting the importance of adequate insurance coverage and long-term financial planning. The findings underscored the need for gender-sensitive retirement planning strategies and insurance products tailored to the unique needs and vulnerabilities of elderly women, promoting financial resilience and security in later life.

# **3.0 METHODOLOGY**

The study adopted a desktop research methodology. Desk research refers to secondary data or that which can be collected without fieldwork. Desk research is basically involved in collecting data from existing resources hence it is often considered a low cost technique as compared to field research, as the main cost is involved in executive's time, telephone charges and directories. Thus, the study relied on already published studies, reports and statistics. This secondary data was easily accessed through the online journals and library.

#### 4.0 FINDINGS

This study presented both a contextual and methodological gap. A contextual gap occurs when desired research findings provide a different perspective on the topic of discussion. For instance, Johnson & Nguyen (2020) explored how intersecting social identities, such as race, ethnicity, and socioeconomic status, intersect with gender to shape individuals' insurance choices and risk management behaviors. The researchers conducted in-depth interviews and focus groups with individuals representing diverse social identities, analyzing qualitative data to uncover complex intersections between gender, race, and other identity markers in insurance decision-making. The study found that intersectional identities interact with gender to produce unique experiences and perspectives regarding risk and insurance, with marginalized groups facing compounded barriers to insurance access and financial security. The findings underscored the importance of adopting an intersectional lens in research and policy efforts addressing gender disparities in insurance, advocating for inclusive and equitable approaches that account for diverse lived experiences and structural inequalities. On the other hand, the current study focused on examining gender differences in risk preferences and insurance choices.

Secondly, a methodological gap also presents itself, for example, in their study on exploring how intersecting social identities, such as race, ethnicity, and socioeconomic status, intersect with gender to shape individuals' insurance choices and risk management behaviors; Johnson & Nguyen (2020) conducted in-depth interviews and focus groups with individuals representing diverse social identities, analyzing qualitative data to uncover complex intersections between gender, race, and other identity markers in insurance decision-making. Whereas, the current study adopted a desktop research method.

# 5.0 CONCLUSION AND RECOMMENDATIONS

# 5.1 Conclusion

Firstly, the study confirms the existence of significant gender disparities in risk preferences, with men generally exhibiting higher levels of risk tolerance compared to women. This finding aligns with existing literature and highlights the influence of sociocultural norms and biological factors in shaping individuals' attitudes towards risk-taking behavior. Understanding these gender differences in risk preferences is crucial for designing effective risk management strategies and insurance products that cater to the diverse needs and preferences of men and women.

Secondly, the study reveals important insights into gender differences in insurance choices, with women demonstrating a greater propensity to purchase insurance coverage compared to men. This finding contradicts traditional stereotypes of women as being more risk-averse and cautious, suggesting that women may prioritize financial security and protection against unforeseen events. However, further research is needed to explore the underlying factors driving these gender disparities



in insurance participation rates, such as income levels, educational attainment, and access to financial resources.

Thirdly, the study underscores the importance of considering the intersectionality of gender with other social identities, such as race, ethnicity, and socioeconomic status, in shaping insurance decisions. Intersectional perspectives reveal the diverse experiences and vulnerabilities of different demographic groups, highlighting the need for inclusive and equitable approaches to addressing gender disparities in insurance access and financial security. By acknowledging the intersecting dimensions of identity and inequality, policymakers and insurance providers can better tailor their interventions to meet the needs of marginalized and underserved populations.

Moreover, the study emphasizes the role of behavioral economics in understanding gender differences in risk preferences and insurance choices. Insights from behavioral economics highlight the influence of cognitive biases, heuristics, and decision-making processes on individuals' risk perception and insurance behavior. By integrating behavioral insights into insurance product design and marketing strategies, policymakers and insurance providers can promote informed decision-making and enhance consumer welfare in the insurance marketplace.

The study contributes to our understanding of gender differences in risk preferences and insurance choices, highlighting the need for targeted interventions and policy initiatives to address gender-based disparities in insurance access and financial security. By recognizing the complex interplay between gender, social identity, and decision-making processes, policymakers and insurance providers can develop more inclusive and equitable approaches to promoting financial well-being and resilience across diverse populations.

#### **5.2 Recommendations**

Firstly, the study suggests the need for targeted financial education programs tailored to address the diverse risk preferences and decision-making behaviors of men and women. These programs should aim to improve financial literacy and empower individuals to make informed choices about risk management and insurance planning. By enhancing individuals' understanding of financial concepts and products, particularly among marginalized groups, such as women and minority populations, these programs can help bridge the gender gap in insurance coverage and promote financial inclusion.

Secondly, the study emphasizes the importance of developing gender-sensitive insurance products and marketing strategies that reflect the diverse needs and preferences of men and women. Insurance companies should consider incorporating features such as flexible coverage options, gender-neutral pricing, and tailored communication strategies to better serve their diverse customer base. By designing products that align with individuals' risk preferences and life circumstances, insurers can enhance consumer satisfaction, promote uptake of insurance coverage, and improve financial resilience among men and women alike.

Furthermore, the study highlights the role of policymakers and regulators in promoting gender equality in insurance access and coverage. Policymakers should enact legislation and regulatory measures to address discriminatory practices, such as gender-based pricing and coverage exclusions, that disproportionately affect women. Additionally, policymakers can incentivize insurance companies to offer gender-neutral products and pricing structures, ensuring equitable access to insurance coverage for all individuals regardless of gender.

Moreover, the study underscores the importance of fostering a culture of diversity and inclusion within the insurance industry and financial services sector more broadly. Companies should prioritize diversity and gender equality in hiring practices, leadership representation, and product development processes. By fostering a diverse workforce and inclusive organizational culture, companies can better



understand and respond to the unique needs and preferences of their diverse customer base, leading to more inclusive and equitable insurance markets.

Lastly, the study calls for continued research and monitoring of gender differences in risk preferences and insurance choices to track progress and identify emerging trends over time. Longitudinal studies and ongoing data collection efforts can provide valuable insights into the effectiveness of interventions and policy initiatives aimed at reducing gender disparities in insurance access and coverage. By monitoring changes in risk management behaviors and insurance participation rates among men and women, researchers can inform evidence-based policy decisions and industry practices to promote gender equality in insurance markets.

In summary, the recommendations outlined in the study emphasize the importance of addressing gender disparities in risk preferences and insurance choices through a multifaceted approach involving financial education, product innovation, policy reform, organizational change, and ongoing research. By adopting these recommendations, stakeholders can work together to create more inclusive and equitable insurance markets that meet the diverse needs of men and women, promoting financial security and well-being for all.



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