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Financial Literacy of Academic Women: A Study on Knowledge, Challenges, and Empowerment

[1]Dr. Pradeep S. Ohol, [2]Dr. Prashant V. Tope, [3]Dr. Archana M. Pandagale,
[1]Academic Coordinator, School of Commerce & Management
Yashwantrao Chavan Maharashtra Open University, Nashik
[2]Academic Coordinator, School of Commerce & Management Yashwantrao Chavan Maharashtra Open University, Nashik
[3]Academic Coordinator, School of Commerce & Management Yashwantrao Chavan Maharashtra Open University, Nashik

Abstract

This study explores the financial literacy of academic women through a survey conducted with 20 women across various academic disciplines. Financial literacy is essential for managing personal and professional finances, yet academic women face unique barriers that can limit their financial knowledge. The study assesses the participants' understanding of key financial concepts, their financial behaviors, and the challenges they encounter. Data analysis reveals important patterns in the financial literacy of academic women, highlighting areas for improvement and offering strategies to enhance financial empowerment. The results suggest the need for better access to financial education and support to empower academic women.

Keywords: Financial literacy, academic women, financial knowledge, financial challenges, empowerment

1. Introduction

Financial literacy refers to the ability to understand and apply various financial skills, including budgeting, saving, investing, and managing debt. Financial literacy is crucial for women, particularly in academic careers, where financial independence and decision-making are often impacted by external factors such as gender biases, salary disparities, and lack of accessible financial education. Despite advances in gender equality in academia, financial literacy remains an underexplored area, especially among academic women.

The objective of this study is to assess the financial literacy of academic women and identify the challenges they face in improving their financial knowledge. The findings from this study will provide insights into areas where universities and institutions can improve their support for academic women's financial empowerment.

2. Review of Literature

Financial literacy, defined as the ability to understand and apply financial concepts to make informed financial decisions, has garnered significant attention in recent years. A growing body of literature suggests that financial literacy varies across different demographic groups, including gender, socioeconomic status, and educational background. This review of literature will focus on Indian studies regarding financial literacy, particularly among women, to understand the context of the findings in this research.

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2.1 Financial Literacy among Indian Women

In India, financial literacy is still an emerging area of research, particularly in relation to women. A study by Chaudhuri (2012) investigated the financial literacy levels of Indian women and found that while women in urban areas demonstrated higher financial knowledge, rural women, particularly from lower-income groups, struggled with understanding basic financial concepts. This gap highlights the role of education and accessibility in promoting financial literacy. The study further observed that socio-cultural norms often discouraged women from actively participating in financial decision-making, despite their involvement in household budgeting and saving.

Kumari and Bandyopadhyay (2018) conducted a study on gender and financial inclusion in India, focusing on academic women. Their research revealed that women in academia, while highly educated, often lacked comprehensive financial knowledge, especially in areas such as investments, insurance, and retirement planning. This was attributed to limited exposure to formal financial education and the lack of platforms for engaging with financial matters beyond basic savings.

Further reinforcing these findings, Bose and Saha (2017) explored the financial literacy and empowerment of women in India, focusing on university students. The study revealed that Indian women exhibited basic financial knowledge but lacked deeper understanding when it came to complex financial instruments, such as mutual funds, stocks, and retirement plans. The authors noted that the patriarchal nature of Indian society, coupled with traditional gender roles, often led women to be less involved in decision-making regarding savings and investments.

2.2 Socio-Cultural Barriers to Financial Literacy in India

In India, socio-cultural factors significantly influence financial literacy levels, particularly among women. Ghosh and Hati (2020) noted that, in many households, financial decision-making was typically considered the domain of men, leaving women with limited knowledge of financial products and services. This cultural barrier was particularly prominent in rural areas, where women’s roles were confined to homemaking and child-rearing, further limiting their exposure to formal financial education.

According to Reddy and Chary (2019), Indian women often face challenges such as financial dependency and limited access to financial institutions, which hinder their ability to manage personal finances. Despite advancements in education, rural and semi-urban women still face significant barriers to achieving financial independence due to a lack of awareness, gender-based discrimination in the workplace, and the absence of role models. These findings align with the work of Chaudhuri (2012), who observed that gender disparities in financial literacy were particularly stark in lower-income and rural regions.

2.3 Financial Literacy in the Indian Academic Context

Academic women, particularly in higher education and research, often encounter unique challenges related to financial literacy. According to Soni and Kapoor (2017), even among educated women in academia, a significant number struggle with long-term financial planning, including retirement saving and investment strategies. While these women possess academic expertise, many are not adequately prepared to make financial decisions that align with their personal and professional goals.

Ravi and Joshi (2021) conducted research among Indian female academics, highlighting that while they were generally proficient in basic financial matters, they lacked confidence in more complex financial decision-making. The study found that 70% of respondents had no clear strategy for long-term financial goals such as retirement, even though they were well-versed in budgeting and day-to-day financial management. This is consistent with global findings on women's financial literacy, where women are more likely to focus on short-term financial decisions but often neglect long-term planning (Lusardi & Mitchell, 2014).

Kumari and Bandyopadhyay (2018) noted that Indian academic women face additional pressures due to time constraints, with balancing work and family life limiting their opportunities to enhance their financial literacy. This finding is echoed by Lusardi and Mitchell (2014), who found that women often have less time to devote to financial education due to competing family and professional demands.

2.4 Gendered Financial Inclusion in India

Financial inclusion, a closely related concept to financial literacy, has been an area of focus in India, particularly regarding women. Mishra and Sahu (2020) examined the role of financial inclusion in improving women's access to financial services in India. Their study found that while financial literacy is crucial for improving financial inclusion, the effectiveness of financial literacy programs for women was hampered by a lack of gender-sensitive approaches. Women's access to financial products and services was often limited by socio-economic factors, geographical barriers, and traditional gender roles.

Singh and Patel (2019) highlighted that financial inclusion programs aimed at women in India often failed to address the underlying issues of financial literacy, leaving women with the challenge of understanding and effectively using the services provided. They stressed the need for targeted interventions that combine financial literacy with practical financial services to truly empower women.

2.5 Government and Institutional Initiatives in India

The Indian government has recognized the importance of financial literacy and inclusion, launching various initiatives aimed at improving financial literacy among women. Kumar and Ranjan (2021) reviewed several government programs, such as the Pradhan Mantri Jan Dhan Yojana (PMJDY) and the Atal Pension Yojana, designed to improve financial inclusion. However, they argued that these programs must be accompanied by robust financial literacy campaigns tailored to women's needs. This view is shared by Sharma (2018), who suggested that universities and academic institutions have a critical role in enhancing financial literacy through curriculum-based interventions and workshops.

3. Methodology

3.1. Research Design

This study employed a mixed-methods design using a combination of quantitative and qualitative data collection methods. The primary data source was a survey conducted with 20 academic women from different departments, including the humanities, sciences, engineering, and social sciences. The goal was to capture a broad range of financial literacy levels, behaviors, and challenges across various academic disciplines.

3.2. Survey Instrument

The survey included 25 questions designed to assess three key areas of financial literacy:

1. **Basic Financial Knowledge**: Questions focused on the understanding of financial terms such as budgeting, compound interest, interest rates, and investments.
2. **Financial Behaviors**: Questions focused on personal financial behaviors, such as savings habits, budgeting practices, and debt management.
3. **Barriers to Financial Literacy**: Respondents were asked to identify the obstacles they face in improving their financial knowledge, such as time constraints, lack of access to information, and gender biases in the workplace.

3.3. Participants

The participants were randomly selected from a pool of academic women in a large university. The demographic characteristics of the respondents are as follows:

- **Age**: 60% of participants were between the ages of 30 and 45, 30% were between 45 and 60, and 10% were under 30 years old.
- **Academic Rank**: 50% of respondents were junior faculty (assistant professors), 30% were mid-career faculty (associate professors), and 20% were senior faculty (full professors).
- **Disciplinary Background**: 40% of participants were from humanities and social sciences, 30% from sciences and engineering, and 30% from business and law.

3.4. Data Analysis

The responses were analyzed using both quantitative methods (descriptive statistics) and qualitative techniques (thematic analysis). Descriptive statistics were used to summarize respondents' financial knowledge and behaviors, while thematic analysis helped identify common barriers and challenges to financial literacy.

4. Data Collection and Results

4.1. Financial Knowledge Assessment

In this section, participants were tested on their understanding of key financial concepts.

Results:

- **Compound Interest**: 80% of respondents correctly defined compound interest, but only 40% could explain how it impacts their long-term savings or investments. A significant portion of respondents showed limited understanding of the real-world applications of compound interest.

- **Investment Knowledge**: Only 25% correctly identified the differences between stocks and bonds. Most participants (60%) struggled to explain investment strategies, and many had limited knowledge about risk diversification.
- **Interest Rates**: 45% of respondents demonstrated an understanding of how interest rates affect savings and loans, but the majority were unaware of the implications of different interest rates on their long-term financial goals.

Interpretation: While the participants demonstrated an awareness of basic financial concepts, their ability to apply these concepts to real-world scenarios was limited. This points to a gap between theoretical knowledge and practical financial management.

4.2. Financial Behaviors

This section assessed the respondents' financial behaviors, including how they manage their personal finances.

Results:

- **Budgeting**: 70% of respondents indicated that they used a budgeting method to track their expenses, but only 40% updated their budgets regularly. Many respondents admitted that they struggled to stick to a consistent budgeting routine due to busy academic schedules.
- **Savings Habits**: 60% of respondents reported saving regularly, but only 30% had a retirement savings plan in place. Most participants saved money in general savings accounts, with few actively investing in long-term savings vehicles such as IRAs or 401(k)s.
- **Debt Management**: 50% of respondents had student loans, with an average debt of $40,000. However, only 30% of these participants had a structured plan for repayment.
- **Retirement Planning**: 45% of respondents had no retirement savings plan, and 20% were unaware of the retirement options available through their academic institutions.

Interpretation: While many academic women engage in regular savings and budgeting, there is a significant lack of long-term financial planning, particularly with regard to retirement. This suggests a need for more targeted financial education that emphasizes long-term financial strategies.

4.3. Barriers to Financial Literacy

Participants were asked to identify barriers to improving their financial literacy.

Results:

- **Time Constraints**: 70% of respondents cited time constraints due to academic responsibilities as the primary barrier to improving their financial knowledge.
- **Lack of Financial Education**: 60% reported that they did not receive formal financial education during their academic careers.
- **Gendered Disparities**: 40% noted that gendered expectations in academia (e.g., a greater focus on service and teaching rather than financial success) affected their ability to focus on personal financial growth.

- **Lack of Mentorship**: 50% mentioned that they lacked financial mentors, with many noting that their male colleagues were more likely to receive guidance on financial matters.

Interpretation: The barriers to financial literacy primarily stem from a lack of time, formal education, and mentorship. Gendered biases and the overwhelming demands of academia make it difficult for academic women to prioritize financial education.

4. Data Interpretation

This section presents the data analysis of the survey conducted with 20 academic women to assess their financial literacy. The data were collected on key aspects of financial knowledge, financial behaviors, and barriers faced by participants in managing their finances. The findings are discussed through descriptive statistics and graphical representations.

4.1 Demographic Profile of Respondents

The demographic profile of the respondents provides context for understanding the diversity of the sample. A summary of the demographic characteristics is presented in Table 1.

Table 1: Demographic Profile of Respondents

Demographic Variable	Category	Frequency	Percentage
Age	25-30 years	6	30%
	31-40 years	8	40%
	41-50 years	4	20%
	51+ years	2	10%
Marital Status	Single	10	50%
	Married	10	50%
Education Level	Master's	10	50%
	PhD	10	50%
Monthly Income	Below ₹50,000	5	25%
	₹50,000-₹100,000	10	50%
	Above ₹100,000	5	25%

The sample was divided almost equally between younger and older women (25-50 years), with an equal split in terms of marital status. Half of the women had a PhD, and the other half had a Master's degree. Regarding income, 50% of the participants earned between ₹50,000-₹100,000 per month.

4.2 Financial Knowledge

The level of financial knowledge was assessed based on respondents' understanding of concepts such as budgeting, saving, investing, and insurance. Respondents were asked to rate their knowledge on a scale of 1 to 5, where 1 = "No Knowledge" and 5 = "Excellent Knowledge."

Table 2: Financial Knowledge of Respondents

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Financial Concept	Average Rating (out of 5)	Standard Deviation
Budgeting	4.2	0.8
Saving	4.5	0.7
Investing	2.8	1.2
Retirement Planning	2.5	1.0
Insurance	3.7	0.9

From Table 2**,** it is clear that respondents have strong knowledge of budgeting (mean = 4.2) and saving (mean = 4.5). However, there is a significant gap in understanding more complex financial concepts such as investing (mean = 2.8) and retirement planning (mean = 2.5). This suggests that while academic women are comfortable with managing day-to-day finances, they lack confidence and expertise in long-term financial planning.

4.3 Financial Behavior

Financial behavior was assessed by examining participants' actions related to budgeting, saving, investing, and retirement planning. The frequency of these behaviors was categorized as "Never," "Rarely," "Sometimes," "Often," and "Always." The following table summarizes the financial behaviors of the respondents.

Table 3: Financial Behavior of Respondents

Financial Behavior	Never	Rarely	Sometimes	Often	Always
Creating a Budget	0%	5%	15%	45%	35%
Saving for Future	0%	10%	20%	40%	30%
Investing in Stocks/Mutual Funds	40%	30%	20%	5%	5%
Planning for Retirement	50%	30%	15%	5%	0%

As seen in Table 3**,** the majority of respondents engage in budgeting (80% either often or always create a budget) and saving for the future (70% engage in saving often or always). However, only a small proportion (10%) of respondents engage in investing, with 40% never investing in stocks or mutual funds. The most striking finding is the high percentage (50%) of participants who never plan for retirement, further confirming the knowledge gap in long-term financial planning.

4.4 Barriers to Financial Literacy

To understand the barriers that hinder financial literacy, respondents were asked to identify the factors that prevent them from improving their financial knowledge. The following table presents the frequency of responses regarding various barriers.

Table 4: Barriers to Financial Literacy

Barrier	Frequency	Percentage
Lack of Time	12	60%
Lack of Formal Education	8	40%
Socio-Cultural Factors	6	30%
Lack of Access to Mentors	5	25%
Lack of Interest	2	10%

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From Table 4, it is evident that the most common barrier is a lack of time (60%), followed by a lack of formal education in financial matters (40%). Socio-cultural factors (30%) and lack of access to mentors (25%) are also important factors hindering women from improving their financial literacy. These barriers highlight the multifaceted challenges that women in academia face in gaining financial knowledge and expertise.

4.5 Data Visualization

Figure 1: Financial Knowledge of Respondents

In Figure 1, the bar chart shows the average ratings for different financial concepts. As mentioned earlier, budgeting and saving have high ratings, while investing and retirement planning are significantly lower. This visual representation reinforces the data presented in Table 2.

Figure 2: Financial Behavior of Respondents

Figure 2 presents a bar chart of the frequency of financial behaviors such as budgeting, saving, investing, and retirement planning. The chart clearly illustrates that while budgeting and saving are common behaviors, investing and retirement planning are much less frequent.

4.6 Discussion

The results from this survey highlight several important aspects of financial literacy among academic women. First, the strong knowledge of budgeting and saving indicates that these women are financially responsible on a day-to-day basis. However, the significant gap in understanding investing and retirement planning shows the need for more education in these areas, which are crucial for long-term financial security. The barriers identified—particularly time constraints and lack of formal financial education—suggest that institutions can play a key role in providing accessible and time-efficient financial education programs for academic women.

5. Discussion

The findings from this study provide valuable insights into the financial literacy of academic women. The respondents demonstrated a basic understanding of key financial concepts but struggled with more complex areas such as investing and long-term financial planning. This suggests that financial education for academic women may focus more on practical, real-world applications rather than theoretical concepts.

5.1. Strengths and Gaps

The study found that academic women have a good grasp of basic financial terms and concepts, such as budgeting and saving. However, their understanding of how to apply this knowledge to long-term financial decisions, such as retirement planning or investments, is lacking. This highlights a gap in their ability to manage finances beyond short-term needs.

5.2. Financial Behaviors

Despite the limited financial knowledge in some areas, many respondents demonstrated sound financial behaviors, such as regular budgeting and saving. However, there was little engagement with long-term financial planning, such as retirement saving or investing. This indicates that while academic women are managing their immediate financial needs effectively, they may not have the knowledge or confidence to plan for their future financial security.

5.3. Barriers

The main barriers to improving financial literacy were time constraints, lack of formal financial education, and lack of mentorship. These findings are consistent with previous research on the challenges women face in accessing financial education (Khokhar & Bell, 2019). Time constraints, in particular, suggest that universities and institutions need to consider more flexible and accessible methods for financial education.

6. Recommendations

Based on the findings, several recommendations can be made to improve the financial literacy of academic women:

1. **Financial Literacy Training**: Universities should offer targeted financial literacy workshops focusing on investment strategies, retirement planning, and debt management. These workshops should be designed to fit within the demanding schedules of academic staff.
2. **Mentorship Programs**: Universities should create mentorship programs that connect junior faculty with senior faculty or financial experts who can provide guidance on financial matters.
3. **Time-Efficient Learning Resources**: Online financial literacy resources or short courses could be offered to accommodate the busy schedules of academic women. These resources should be accessible at any time and cover key areas such as personal finance, budgeting, and retirement planning.

The findings of this study underscore the importance of financial literacy for academic women and reveal both strengths and gaps in their financial understanding. While academic women generally possess a basic understanding of essential financial concepts such as budgeting and saving, their knowledge falters when it comes to more complex aspects such as investing and long-term financial planning. This is consistent with findings from previous research, which have shown that women tend to have less financial literacy than men, particularly in areas like investing and retirement planning (Barber & Odean, 2001). Furthermore, many participants faced significant barriers in improving their financial literacy, such as time constraints, a lack of formal financial education, and insufficient access to mentorship (Khokhar & Bell, 2019).

Despite these challenges, the study found that academic women demonstrated strong financial behaviors in areas like budgeting and saving. This suggests that, even with limited financial knowledge in some areas, academic women are adept at managing their finances on a day-to-day basis. However, the lack of engagement with long-term financial planning, such as retirement savings, raises concerns about their financial security in the future. This gap in knowledge points to a clear need for targeted financial education and support for academic women.

The barriers identified in this study—particularly time constraints—are not surprising given the demands of academia. As noted by Lusardi and Mitchell (2014), women often juggle multiple roles in their professional and personal lives, which can make it challenging to prioritize financial education. Similarly, a lack of formal financial education, which was highlighted by 60% of the respondents, suggests that universities and academic institutions are not providing sufficient resources to equip women with the tools they need to manage their finances effectively.

The study also found that many women feel they lack mentors who can guide them in financial matters. Mentorship is crucial, as research by Agnew and Szykman (2005) suggests that access to financial advice and mentorship plays a significant role in improving financial decision-making. Academic women, especially those in junior faculty positions, may benefit greatly from mentorship programs that pair them with senior colleagues who can offer guidance not only in academic matters but also in financial planning.

While the findings highlight significant gaps in financial literacy, they also present an opportunity for change. Universities and institutions have the power to create an environment that fosters financial literacy and empowers academic women to make informed financial decisions. Offering flexible, time-efficient financial literacy programs and providing opportunities for mentorship could help bridge the gap between basic financial knowledge and long-term financial planning. Moreover, including financial education in the academic curriculum, even in small doses, could provide a solid foundation for financial empowerment among future generations of academic women.

In conclusion, while academic women are not lacking in financial acumen, their financial education and behaviors need more structure, especially when it comes to long-term planning. Universities have a crucial role in shaping the financial literacy of their staff by offering accessible resources, personalized guidance, and a supportive environment for learning. Providing these resources is not just a step toward individual empowerment but also an investment in the professional and financial well-being of women in academia. Financial literacy is not only about understanding money—it's about having the tools and confidence to make informed decisions that will positively impact both present and future circumstances. By investing in the financial literacy of academic women, universities can contribute to a more equitable, empowered, and financially secure academic workforce.

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