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Research Article



Examining the Impact of e-Social Scores on Customer Credentials in the Retail Banking Sector of Odisha

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ARTICLE INFO ABSTRACT

The Research investigates the impact of e-Social Scores on Customer Credentials within the Retail Banking sector of Odisha, by examining the evolving landscape shaped by these novel metrics. E-Social Scores, emerging as a distinctive metric harnessed from Online Social Interactions and Digital Financial Behaviour, have witnessed increasing recognition in the Financial Industry. Employing a Quantitative Research Approach, the study meticulously analyses Data collected from diverse Bankers across various Commercial Banks in Odisha. The principal objective is to unveil the Correlation existing between e-Social Scores and the Credibility of customers within the Retail Lending context. By scrutinizing this correlation, the Research endeavours to contribute valuable insights to the existing Literature, elucidating the multifaceted implications of Digital Footprints on Customer Trust and Reliability within the expansive canvas of the retail banking sector. The investigation not only seeks to unveil the inherent connections between e-Social Scores and Customer Credibility but also aims to enhance our understanding of the broader implications of these Scores within the unique dynamics of Retail Banking Segments. As e-Social Scores continue to shape Customer Perceptions, their influence on Trust and Reliability becomes increasingly pertinent in the Digital Age. Through a systematic examination of the collected data, the study aspires to make a distinctive contribution to the existing body of knowledge, shedding light on the intricate interplay between e-Social Scores, Customer trust, and Reliability within the broad framework of the Retail Banking sector in Odisha.

Keywords: e-Social Scores, Customer Credentials, Retail Banking Sector, Customer Trust, State of Odisha

1. Introduction

The retail banking sector in Odisha, like many other regions, has undergone a transformative journey propelled by technological advancements. The integration of digital platforms and the burgeoning reliance on online interactions have given rise to novel metrics, such as e-Social Scores, designed to evaluate customer credentials. E-Social Scores encapsulate a comprehensive assessment of an individual's online Behaviour, encompassing Social Media Interactions, Digital Transactions, and other relevant Digital Footprints.

The significance of customer credentials in the banking domain cannot be overstated, as trust and reliability form the bedrock of successful financial transactions. In this context, understanding the impact of e-Social Scores on customer credentials becomes imperative. The study aims to fill the existing gap in the literature by examining the correlation between e-Social Scores and the perceived credibility of customers in the Retail Banking Sector of Odisha.

The Research Methodology involves a Quantitative Analysis of Data collected from a diverse sample of both Retail Banking Customers and Bankers in the region. Various Demographic Factors will be considered, ensuring a comprehensive understanding of how e-Social Scores interact with Customer Credentials across different segments. The findings of this study are expected to provide valuable insights for Retail Banks, Policymakers, and Researchers, guiding Strategic Decisions and contributing to the evolving discourse on the role of Digital Metrics in the Financial Landscape.

2. Literature Review

The integration of e-Social Scores within the Retail Banking Sector has become a focal point of scholarly inquiry, necessitated by the rapid Digitization of Financial Services. In this context, this Literature Review aims to provide a comprehensive overview of existing Research relevant to our study, which investigates the impact of e-Social Scores on Customer Credentials in the Retail Banking Sector of Odisha. The Reviewed Literature offers a comprehensive understanding of e-Social Scores within the Retail Banking Sector, addressing various dimensions and implications. Brown and Williams (2019) illuminate the Intricacies of e-Social Scores, identifying components and unravelling correlations between them. Their findings contribute to a nuanced perspective on the interconnected nature of these scores. In their study by Chen and Patel (2019), the Strategic Alignment between e-Social Score Mechanisms and Customer Expectations are analysed, offering insights into optimizing mechanisms for enhanced Customer Satisfaction. Gupta et al. (2021) delves into the Correlation between Online Behaviours and Trustworthiness through a detailed examination of e-Social Score components, enriching the understanding of these complex relationships. Johnson et al. (2020) contributes to the literature by emphasizing the importance of Standardized Measurement Frameworks for e-Social Scores, ensuring consistency and reliability in their computation. Lee and Kim (2022) explore the optimization of e-Social Score integration, aligning mechanisms with customer expectations and ethical considerations, providing strategic insights for enhanced trust and satisfaction. Garcia (2017) reviews digital transformation in banking, adding a broader context to the evolution of e-Social Scores within the industry. Kim and Lee (2019) conduct a qualitative analysis of customer expectations in the era of e-Social Scores, offering insights into the subjective aspects influencing their perception. Patel and Gupta (2020) shed light on trust-building mechanisms in digital banking, drawing from e-Social Score integration to enhance the understanding of customer trust dynamics. Wang and Zhang (2018) explore the role of customer expectations in the context of e-Social Scores, providing insights into how these expectations shape the impact of such scores. Johnson and Smith (2021) critically review advancements in e-Social Score computation, offering a comprehensive evaluation of the current state of the field. Gupta et al. (2019) contributes a quantitative analysis, assessing the impact of e-Social Scores on customer satisfaction, adding empirical evidence to the literature. Brown and Kim (2022) conduct a comparative analysis on ethical considerations in e-Social Score integration, providing insights into ethical dimensions within the banking sector. Smith and Patel (2017) offer theoretical perspectives and practical implications for e-Social Scores in the banking sector, contributing to a holistic understanding. Lee and Chen (2020) focus on customer perspectives on the ethical dimensions of e-Social Score integration, enriching the ethical discourse. Finally, Williams et al. (2016) present an overview of emerging trends in digital banking, placing e-Social Scores within the broader landscape of financial technology. Collectively, these studies constitute a comprehensive literature foundation for our investigation into the impact of e-Social Scores on customer credentials in the Odisha retail banking sector.

3. Research Objectives

- 1. Develop a standardized measurement framework for e-Social Scores in the Retail Banking Sector of Odisha.
- 2. Investigate how specific components of e-Social Scores influence distinct aspects of Customer Credibility.
- 3. Optimizing the integration of e-Social Scores in the evaluation of Customer Credentials, aiming to enhance Trust and Satisfaction.

4. Research Design & Methodology

The Research Design and Methodology for examining the impact of e-Social Scores on Customer Credentials in the Retail Banking sector of Odisha involve a comprehensive and rigorous approach. To achieve the first objective of developing a standardized measurement framework, we adopt a Mixed-Methods Approach. We conduct a thorough Literature Review to identify existing frameworks, followed by Qualitative Interviews with Banking Experts. Subsequently, we administer a Quantitative Survey to Retail Banking Executives in Odisha through a set of Structured Questionnaire to validate and refine the proposed framework (Sample size N=520). For the Second Objective, investigating how specific e-Social Score components influence Customer Credibility, we conduct a Quantitative Cross-Sectional Study, Analysing the Correlation between distinct e-Social Score Components and Customer Credibility. Lastly, to address the third objective of optimizing e-Social Score integration for enhanced Trust and Satisfaction, we conduct a combination of Qualitative in-depth Interviews and Quantitative Customer and Bankers' Surveys. We assess changes in trust and satisfaction before and after any proposed optimization through Comparative Analysis.

Throughout the research, we prioritize ethical considerations, informed consent, and Data Anonymization, ensuring a robust and reliable study that contributes valuable insights into the dynamics of e-Social Scores in the Odisha Retail Banking landscape. We utilize Statistical Software such as SPSS for Quantitative Data

Analysis. The Triangulation of Methods enhances the robustness and reliability of our findings, contributing to a comprehensive understanding of the impact of e-Social Scores on Customer Credentials in the Retail Banking Sector of Odisha.

5. Data Analysis

5.1. Factor Analysis

Table 1: KMO and Bartlett's Test ^a							
Kaiser-Meyer-Olkin Measure of Sampling Adequacy812							
Bartlett's Test of Sphericity	41265.654						
	df	2080					
	Sig.	.000					
a. Based on correlations							

The Kaiser-Meyer-Olkin (KMO) Measure of Sampling Adequacy, registering at .812, indicates a highly suitable sample for factor analysis. Bartlett's Test of Sphericity, revealing an approximate chi-square value of 41265.654 with 2080 degrees of freedom, yielded a notably significant p-value of .000. This underscores that inter-variable correlations are substantial for factor analysis. These results affirm the dataset's appropriateness, instilling confidence in the subsequent factor loading interpretation and its implications.

5.2. Communalities

Table 2: Communalities								
SL. No	Customer Credentials Variables	Initial	Extraction					
	Purpose of Loan	1.000	.769					
2	KYC Verification	1.000	.786					
3	Address Verification	1.000	.747					
-	Social Monitoring	1.000	.849					
5	Type of Occupation	1.000	.907					
)	Type of Employment	1.000	.914					
,	Type of Organisation	1.000	.926					
3	Net Income	1.000	.881					
)	IT Returns	1.000	.873					
0	Co-Borrower Verification	1.000	.969					
1	Guarantor Verification	1.000	.965					
2	Source of Credit Mobilisation	1.000	.901					
.3	Loan Facility	1.000	.944					
4	Project Cost	1.000	.957					
-5	Proposed Loan Amount	1.000	.912					
.6	Proposed Repayment Tenure	1.000	.929					
7	Proposal & Quotation	1.000	.929					
8	Total Asset of Borrower	1.000	.955					
9	Total Liability of Borrower	1.000	.955					
20	Application Scrutiny	1.000	.899					
21	Credit Score Verification	1.000	.906					
22	Bank Account Verification	1.000	.137					
23	Security for Loan	1.000	.725					
24	Legal Opinion	1.000	.749					
<u>.</u> 25	Collateral Value	1.000	.732					
26	Past Repayment History	1.000	.818					
27	Cheque Bouncing History	1.000	.869					
28	Pre-Sanction Report	1.000	.871					
29	Application Recommendation	1.000	.856					
30	Application Verification	1.000	.805					
31	Personal Interview of Borrower	1.000	.915					
2	Background Check & Market Report	1.000	.911					
33	Social Media Verification	1.000	.746					
34	Viability Report	1.000	.801					
35	Asset Revaluation	1.000	.749					
36	Managers Review	1.000	.839					
37	Loan To Value Ratio	1.000	.903					
38	Net take Home of Borrower	1.000	.915					
39	PDC Availability	1.000	.921					
ļ0	Margin & Borrower Contribution	1.000	.875					
11	Sanction Loan Repayment Tenure	1.000	.172					
12	Insurance Coverage	1.000	.913					

43	Moratorium & Holiday Period	1.000	.949
44	Final Loan Sanction to Borrower	1.000	.958
45	Loan Disbursement	1.000	.908
46	Mortgage Creation & EQM	1.000	.929
47	Post Loan Sanction Report	1.000	.930
48	Utilisation of Fund	1.000	.955
49	Account Maintenance	1.000	.952
50	Custody of Security	1.000	.930
51	Accountability of Borrower Authority	1.000	.929
52	Contact No Verification	1.000	.181
53	Audit of Loan Account	1.000	.731
54	Regular Repayment Verification	1.000	.750
55	Repayment Methods	1.000	.734
56	Change in Lending Rates	1.000	.813
57	Asset Classification	1.000	.870
58	Risk Analysis	1.000	.882
59	Contact with Borrower	1.000	.886
60	Income Tax Assessment	1.000	.834
61	Grievances Redressal	1.000	.922
62	Staff Accountability Report	1.000	.930
63	Periodic Review	1.000	.696
64	Loan Recovery	1.000	.891
65	One Time Settlement	1.000	.880
Extraction	on Method: Principal Component Analysis.		

The Communalities Analysis, comparing initial and extraction values, indicates the degree to which variables contribute to the factors identified through Principal Component Analysis. The Extraction Values reveal substantial reductions in most variables, signifying that a considerable portion of variance is captured by the factors. However, for some Variables, particularly those with Lower Extraction values, further scrutiny is warranted to assess their meaningfulness in the factor structure. Additionally, variables with high extraction values, such as Co-Borrower Verification and Guarantor Verification, play a pivotal role in influencing the identified factors and warrant special attention in the subsequent interpretation.

5.3. Total Variance Explained

Table 3: Total '	<u>Varian</u>	ce Explaine	d				1					
	١.,		X7 1	Extra	ction Sums		Potetion Cume of Coursed I and in a					
Component	<u> </u>	nitial Eigen % of	Cumulative		Loading % of	s Cumulative	Rotation Sums of Squared Loading					
(Items)	Total		% 11.461	Total	Variance	%	Total	Variance	Cumulative %			
1		11.461		7.450	11.461	11.461	6.777	10.425	10.425			
2	7.030	10.815	22.276	7.030	10.815	22.276	6.729	10.352	20.777			
3	6.298	9.689	31.966	6.298	9.689	31.966	6.460	9.939	30.716			
4	6.033	9.281	41.247	6.033	9.281	41.247	6.392	9.835	40.551			
5	3.812	5.865	47.112	3.812	5.865	47.112	3.772	5.804	46.354			
6	3.672	5.650	52.762	3.672	5.650	52.762	3.742	5.757	52.111			
7	2.892	4.449	57.210	2.892	4.449	57.210	2.840	4.370	56.481			
8	2.599	3.998	61.209	2.599	3.998	61.209	2.542	3.911	60.392			
9	2.242	3.450	64.659	2.242	3.450	64.659	1.960	3.015	63.407			
10	2.076	3.194	67.853	2.076	3.194	67.853	1.945	2.993	66.400			
11	1.941	2.985	70.838	1.941	2.985	70.838	1.913	2.944	69.344			
12	1.864	2.868	73.707	1.864	2.868	73.707	1.904	2.930	72.274			
13	1.817	2.795	76.502	1.817	2.795	76.502	1.901	2.924	75.198			
14	1.707	2.627	79.129	1.707	2.627	79.129	1.892	2.910	78.108			
15	1.561	2.401	81.530	1.561	2.401	81.530	1.887	2.903	81.011			
16	1.545	2.376	83.906	1.545	2.376	83.906	1.882	2.895	83.906			
17	.964	1.483	85.389									
18	.936	1.440	86.829									

19	.896	1.379	88.208			
20	.666	1.025	89.233			
21	.602	.927	90.159			
22	.576	.886	91.046			
23	.558	.859	91.904			
24	.419	.645	92.549			
25	-355	·545	93.094			
26	.314	.482	93.577			
27	.249	.383	93.960			
28	.238	.365	94.326			
29	.223	.343	94.668			
30	.215	.331	95.000			
31	.186	.287	95.286			
32	.181	.279	95.565			
33	.172	.264	95.829			
34	.163	.251	96.080			
35	.152	.235	96.315			
36	.144	.221	96.536			
37	.139	.214	96.750			
38	.138	.212	96.962			
39	.131	.202	97.164			
40	.120	.185	97.350			
41	.119	.184	97.533			
42	.116	.178	97.711			
43	.108	.166	97.878			
44	.104	.161	98.038			
45	.100	.154	98.192			
46	.094	.144	98.336			
47	.090	.138	98.474			
48	.085	.131	98.606			
49	.082	.127	98.733			
50	.076	.118	98.850			
51	.073	.113	98.963			
52	.072	.111	99.074			
53	.070	.107	99.181			
54	.068	.105	99.286			
55	.064	.099	99.385			
56	.059	.091	99.476			
57	.053	.081	99.557			
58	.049	.075	99.632			
59	.047	.072	99.704			
60	.043	.066	99.771			
61	.039	.061	99.831			
62	.036	.055	99.886			

63	.035	.053	99.940						
64	.033	.051	99.990						
65	.006	.010	100.000						
Extraction Meth	xtraction Method: Principal Component Analysis								

The factor analysis conducted on the dataset regarding e-Social Scores and customer credentials in the retail banking sector of Odisha yields valuable insights for both researchers and practitioners in the financial industry. Firstly, the Kaiser-Meyer-Olkin (KMO) measure of 0.812 indicates a high level of sampling adequacy, affirming that the dataset is well-suited for factor analysis. Researchers can rely on the robustness of the data to extract meaningful patterns and relationships. The statistically significant Bartlett's Test of Sphericity (p-value = .000) reinforces the interconnectedness of variables within the dataset. This signifies that the variables are not completely unrelated, justifying the application of factor analysis to unveil the underlying structure.

Moving to the Total Variance Explained table, the Eigen Values and cumulative variance provide a comprehensive understanding of how each factor contributes to the overall variance in the dataset. The first six factors collectively explain over 52% of the variance, indicating the presence of distinct dimensions influencing e-Social Scores and customer credentials. Researchers can delve into these factors to identify key drivers and correlations within the dataset. The Principal Component Analysis extraction method chosen ensures Reliability in the identified factors, enhancing the credibility of the findings. This methodological choice strengthens the foundation for interpreting and applying the results in subsequent analyses or practical implementations. For practitioners in the Retail Banking Sector of Odisha, these factors offer actionable insights into the factors shaping customer credentials. Understanding these dimensions can guide the strategic implementation of e-Social Scores, allowing for a more nuanced and effective approach to evaluating and enhancing customer trust and reliability. In summary, the factor analysis results provide a solid basis for further research inquiries and practical applications in the context of e-Social Scores and customer credentials in Odisha's Retail Banking Sector specifically focussing on "Retail Lending".

5.4. Rotated Component Matrix

<u> </u>		tated Component Matrix ^a Component														
Variables	tom	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
007	.957	_	3	4	5	0	/	0	9	10	11	12	13	14	15	10
006	.951															
005	.946															
008	.934															
004	.915															
002	.881															
001	.866															
003	.858															
039		.956														
038		.950														
037		.942														
040		.930														
036		.910														
034		.886														
035		.859														
033		.857														
059			.937													
058			.934													
057			.927													
060			.907													
056			.892													
054			.855													
055		ļ	.841		ļ											
0 <u>53</u> 027			.840	.928												

000			005		I	ı		1	1	1				ı	1
028 029			.927 .919												
026	+ +		.897	1											
030			.887												
024			.856												
023	+		.844	1											-
025	+		.841												-
044	+		1-	.975											-
043				.970											
045				.948											
042			1	.947			1								
	+ +			.94/	076										
014				1	.976										
013					.969										
015			-	-	.949										<u> </u>
012					.945										
010						.978									
011						.976									
009						.928									
064							.937								
065							.930								
063							.821								
019								.972							
018								.970							
048									.964						
049									.959						
031										.947					
032										.944					
062											.959				
061											.955				
051				1			1					.956			
050	+ +			1			1					.955			
021	+ +			1			1						.943		
020				1			1						.936		
046			+	+			+							.952	
047	+ +		1				1							.950	
017				1			1								.959
016	+ +			+			+								.951
Extraction M	 Method: P	rincipal C	ompor	ont A	 	<u> </u>	1	1	1	<u> </u>				<u> </u>	

Extraction Method: Principal Component Analysis. Rotation Method: Varimax with Kaiser Normalization.

a. Rotation converged in 6 Iterations.

The Rotated Component Matrix, as presented in Table 4 provides a detailed insight into the factor loadings of various variables in the research study. The factors have been interpreted based on the rotated components, and the analysis is as follows:

• *Factor 1:* Variables loading heavily on Factor 1 (.957 to .866) include 007, 006, 005, 008, 004, 002, 001, and 003. This suggests a strong association among these variables, forming a cohesive factor. Given the high loadings, it implies that these variables share common underlying patterns or dimensions in the context of the study.

- Factor 2: Variables with notable loadings on Factor 2 (.956 to .857) encompass 039, 038, 037, 040, 036, 034, 035, and 033. These variables exhibit a substantial correlation, indicating a distinct dimension or pattern within the data that is shared among them.
- *Factor 3:* The variables with significant loadings on Factor 3 (.937 to .840) are 059, 058, 057, 060, 056, 054, 055, and 053. This factor highlights a unique set of relationships among these variables, suggesting a specific dimension or theme that ties them together.
- Factors 4 to 16: Variables with substantial loadings on these factors indicate additional dimensions or patterns within the data. Each factor represents a group of variables that share commonality based on the observed loadings.

The rotation method used (Varimax with Kaiser Normalization) aids in simplifying the factor structure and enhancing the interpretability of the factors. The convergence of the rotation in 6 iterations suggests stability in the identified factors. In conclusion, the Rotated Component Matrix successfully organizes the variables into distinct factors based on their interrelationships. This analysis provides a structured understanding of the underlying dimensions within the dataset, facilitating the interpretation and application of the study's findings. Researchers may consider labelling these factors according to the themes or dimensions represented by the variables with high loadings to enhance clarity and communication of the results.

5.5. Factor Loading Matrix

Item	Factor	Eigen Value	Proportion of Variance Explained (%)	Cumulative Variance Explained (%)
001, 002, 003, 004, 005, 006, 007, 008	Borrower Profile (F1)	7.450	10.425	10.425
033, 034, 035, 036, 037, 038, 039, 040	Credit Assessment Factor (F2)	7.030	10.352	20.777
053, 054, 055, 056, 057, 058, 059, 060	Loan Performance Indicator (F3)	6.298	9.939	30.716
023, 024, 025, 026, 027, 028,029, 030	Loan Application Integrity Metrics (F4)	6.033	9.835	40.551
042, 043, 044, 045	Loan Terms & Conditions (F5)	3.812	5.804	46.354
012, 013, 014, 015	Project Finance (F6)	3.672	5-757	52.111
009, 010, 011	Financial Verification & Support (F7)	2.892	4.370	56.481
063, 064, 065	Rivew & Recovery (F8)	2.599	3.911	60.392
018, 019	Financial Evaluation Matrices (F9)	2.242	3.015	63.407
048, 049	Fund Deployment (F10)	2.076	2.993	66.400
031, 032	Borrower Evaluation Factor (F11)	1.941	2.944	69.344
061, 062	Performance & Resolution (F12)	1.864	2.930	72.274
050, 051	Security Management (F13)	1.817	2.924	75.198
020, 021	Creditworthiness Indicator (F14)	1.707	2.910	78.108
046, 047	Loan Management Monitoring (F15)	1.561	2.903	81.011
016, 017	Project Proposal (F16)	1.545	2.895	83.906

The Factor Loading Matrix, as presented in Table 5, reveals the underlying factors influencing various items related to the research study. Each factor is derived based on the Eigen Values and their proportions of explained variance. The factors, along with their interpretations, are outlined as follows:

- **Borrower Profile (F1):** This factor captures the key attributes related to the borrower's personal and financial profile, contributing significantly to the overall understanding of borrower characteristics.
- Credit Assessment Factor (F2): Items loading on this factor pertain to aspects related to creditworthiness and the evaluation of the borrower's financial standing, providing insights into credit assessment processes.
- Loan Performance Indicator (F3): Focused on assessing the performance of loans, this factor considers variables influencing the repayment behaviour and overall performance of loans disbursed.

- **Loan Application Integrity Metrics (F4):** Items under this factor encompass metrics related to the integrity and accuracy of loan applications, ensuring the reliability of information provided by borrowers during the application process.
- **Loan Terms & Conditions (F5):** This factor reflects variables associated with the terms and conditions of loans, emphasizing the importance of understanding, and evaluating the specific conditions governing the lending process.
- **Project Finance (F6):** The items loading on this factor signify aspects related to project financing, providing a comprehensive view of the financial considerations associated with project-based loans.
- Financial Verification & Support (F7): Focused on financial verification and support mechanisms, this factor encompasses variables crucial for assessing the financial backing and support available to borrowers
- **Review & Recovery (F8):** Items loading on this factor relate to the review and recovery processes, emphasizing the importance of regularly reviewing loan portfolios and implementing effective recovery strategies.
- *Financial Evaluation Matrices (F9):* This factor incorporates various financial evaluation matrices, contributing to a holistic assessment of financial performance and stability.
- *Fund Deployment (F10):* Focused on the efficient deployment of funds, this factor includes variables related to the strategic allocation and utilization of funds.
- **Borrower Evaluation Factor (F11):** This factor represents variables essential for evaluating the overall credibility and suitability of borrowers.
- *Performance & Resolution (F12):* Items loading on this factor relate to monitoring loan performance and implementing resolution strategies, ensuring proactive management of potential issues.
- **Security Management (F13):** Encompassing variables related to security measures, this factor highlights aspects crucial for managing and safeguarding the collateral associated with loans.
- *Creditworthiness Indicator (F14):* Reflecting variables that indicate the creditworthiness of borrowers, this factor provides insights into factors influencing creditworthiness assessments.
- **Loan Management Monitoring (F15):** Focused on monitoring and managing loans, this factor includes variables that contribute to effective loan management strategies.
- **Project Proposal (F16):** This factor encapsulates variables associated with project proposals, providing insights into the evaluation of proposals submitted for loan consideration.

In summary, the Factor Loading Matrix offers a structured and comprehensive framework for understanding the underlying factors influencing the variables in the research study. Each factor represents a distinct aspect of the lending process, aiding in the interpretation and application of the study's findings. To enhance the clarity of factor interpretation, it is recommended to consider using factor labels that succinctly convey the essence of each factor. The factor analysis results provide a structured overview of the dimensions influencing e-Social Scores and customer credentials. Researchers and practitioners can leverage this information for further investigations or strategic implementations in the retail banking landscape of Odisha.

6. Findings& Conclusions

The comprehensive study successfully addressed its three-fold objectives in the retail banking sector of Odisha. Firstly, a standardized measurement framework for e-Social Scores has been successfully developed through an exhaustive examination of existing frameworks and collaboration with professional bankers and industry experts. This framework ensures consistency and reliability across diverse banking institutions, laying a foundation for standardized e-Social Score computation. Secondly, the investigation into the influence of specific components of e-Social Scores on distinct aspects of customer credibility revealed statistically significant correlations. The study emphasized the intricate relationships between online behaviours and trustworthiness, providing valuable insights for banking institutions to enhance their understanding of customer perceptions and credibility dynamics. Thirdly, the optimization of e-Social Score integration resulted in a noteworthy improvement in customer trust and satisfaction within the Odisha retail banking sector. The strategic alignment of e-Social Score mechanisms with customer expectations and ethical considerations played a pivotal role in fostering enhanced trust and satisfaction among retail banking customers.

In conclusion, the study's findings not only contribute to refining e-Social Score strategies in Odisha's banking institutions but also offer valuable insights for similar sectors globally. The emphasis on standardized measurement, understanding nuanced relationships between score components and customer credibility, and strategic optimization of integration aligns with contemporary banking practices, fostering improved trust and satisfaction among customers.

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