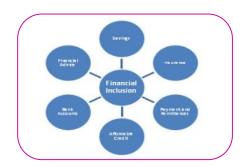
## **REVIEW OF RESEARCH**





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## MEASURING FINANCIAL INCLUSION THROUGH AVAILABILITY INDEX: A STUDY OF INDIAN SCHEDULED COMMERCIAL BANKS

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## **ABSTRACT:**

The present study has been conducted to assess the availability of scheduled commercial banks to the various group ofpopulation and rank them on the basis of availability dimension index. To achieve this objective secondary data has been collected from the websiteof

Reserve Bank of India for the year 2017.On the basis of availability dimension index SBI has emerged major driver of financial inclusion and it is followed by PNB. But it has relatively less presence in metro cities. Thereafter Canara Bank, Bank of Baroda and Bank of India have been ranked at third, fourth and fifth position respectively. The top ranker according to availability dimension index of private sector bank has been found at 6th and 8th of ICICI and HDFC bank respectively. Branch penetration of PNB has been found highest (39.02%) in rural area and followed by bank of India with 38.67% branches. In rural India, other drivers of financial inclusion in rural area are Punjab and Sindh Bank, State Bank of Bikaner and Jaipur and UCO Bank. Whereas in private sector banks Jammu and Kashmir bank ltd. and Bandhanbank have 51.96% and 32.74% branches in rural area. Majority of the branches of public and private banks are situated in the urban area. Very few public sector banks have exposure in rural area. Surprisingly, private sector banks have more branch penetration in semi urban area in comparison to the all public sector banks. The private sector banks have installed more off site ATMs in comparison to the public sector banks. To achieve the objective of financial inclusion more mergers are required in public sector banks and simultaneously, the Government should also pump more funds in public sector banks to fulfill the capitalization needs of regional rural banks. Because, only Regional Rural Banks can be proved backbone in achieving the objective of financial inclusion in rural India. Government should also grant more license to open new small finance banks to improve branch penetration in rural area. So that the bank correspondents can have easy availability of commercial banks or small finance banks. Thereafter, the scheme like Jan DhanYojana would be successful and the objective of financial inclusion would be achievable.

**KEYWORDS:** financial inclusion, financial exclusion, financial inclusion lifecycle

### **INTRODUCTION**

Financial literacy requires a medium known as financial

inclusion through which basic financial services can be provided without any discrimination to vulnerable sections of the society. Financial inclusion includes the easy delivery of banking and financial services at affordable price at the doorstep of every individual inthe society, otherwise it is called financial exclusion. The Report of the Committee on Financial Inclusion in India (Govt. of India, 2008) defines financial inclusion "as the process of ensuring access to financial services and timely and adequate credit where needed by vulnerable groups such as weaker sections and low-income groups at an affordable cost". The World Bank (2008) considered financial inclusion as access to financial services. It "implies an absence of obstacles to the use of these services, whether the obstacles are price or non-price barriers to finance".Whereas Sinclair (2001) defined financial exclusion as the inability to access necessary financial services in an appropriate form. Later on, Conroy (2005) explained financial exclusion as a process that avoids poor and disadvantaged social groups from gaining access to the formal financial system of their countries. WhereasCarbo et al. (2007) foundfinancial exclusion in the form of denial of financial services and the conditions which lead to depriving an individual or a group from the benefits of these services.Kempson andWhyley (1998) discussed the various forms of financial exclusion such as: access exclusion, i.e. unavailability /remote availability of banking services; price exclusion, i.e. high cost of financial products; condition exclusion i.e. inappropriate conditions attached to financial product; marketing exclusion i.e. lack of marketing and sales; and self-exclusion, i.e. cultural/religious /psychological barriers and mistrust etc. It can be due to many social and economic factors viz. low household incomes, expensive source of credit, no savings and no insurance coverage. These all causes discourage some of vulnerable society from the financial inclusion.

This study has been classified into six sections. In the first section introduction has been given, whereas second section explain the need of financial inclusion, in section third review of literature has been done, the fourth section defines the statement of the problem and objective of the study and fifth section explain the research methodology and last but not the least section isdevoted to the finding and discussion and at last conclusion has been given.

#### 2. NEED FOR FINANCIAL INCLUSION

The status of financial inclusion in India has been assessed by various committees in terms of people's access to avail banking and insurance services. The following statistics on financial inclusion demands the emergent need for financial inclusion in India.

- a. The World Bank Global Findex report (2017) has reported that 83% of Indian male population of above15-year age group has bank accounts but this share was just 63% of male population in 2014 and 44% in the year 2011. Whereas 77% of Indian female population above 15-year age group have bank accounts but it was just 43% and 26% in the years 2014 and 2011 respectively.
- b. Despite of the large network of bank branches 45.9 (51.4%) million farmer households out of a total of 89.3 million households of the country do not access to credit from institutional or non-institutional sources. Only 27% of total farm households are indebted to formal sources (NSSO).
- c. More than 19% of the population remains unbanked or financially excluded due to a lack of physical infrastructure despite of several efforts from RBI and Govt. of India (The Associated Chambers of Commerce & Industry of India ASSOCHAM).
- d. The total number of current and savings accounts in banks haveincreased to 157.1crores in March 2017 as compared to 122.3 crores in the last two years. But this figure is misleading because most of the individuals have multiple accounts.
- e. The World Bank Global Findex report (2017) has reported that 80% of Indian above 15year age group has rapid increase in financial inclusion in India, with80% bank accounts in comparison to just 35% and 53% of the adults in 2011 and 2014 respectively.
- f. According to World Bank report (April 19, 2018), India hasbecome the second-highest number of financially excluded households in the world after China because 190 million adultsare without a bank account.
- g. By 27 June 2018, Over 318 million (31 crores) bank accounts were opened and over Rs792 billion (US\$12 billion) were deposited under the PradhanMantri Jan DhanYojana scheme but the problem is still in existence because most of the Jan DhanYojana account are inactive and some are not fulfilling the KYC norms.

- h. Only 39% adult population of rural India is enjoying banking facilities against 60% population in urban India.These reflect a huge gap in the availability of banking services in rural and urban India.
- i. Further theGlobal Findex Databasealso pointed out that (April 19, 2018), 11% of the world's unbanked adults are residing in India.

On the basis of above mentioned points, it can be concluded that there is a huge requirement of financial inclusion in India.

#### 3. LITERATURE REVIEW

In recent years, the Indian banking sector is struggling to improve the level of financialinclusion in spite of objective of financial inclusion since last two decades butin a disguised manner(Rao, 2009).But**Sarma (2008)** understand the need of some measurement tool and therefore, developed an index of financial inclusion (IFI) to investigate macro-level factors. This index of financial inclusion captures information on various aspects of financial inclusion such as banking penetration, availability of banking services and usage of the banking system. The IFI incorporates information on all these dimensions in one single number lying between 0 and 1. Where 0 denotes complete financial exclusion and 1 indicates complete financial inclusion in an economy. A dimension index is computed by the following formula:

$$d_i = \frac{A_i \quad m_i}{M_i - m_i}$$

Where Ai = Actual value of dimension i

mi = lower limit for dimension i, given by the observed minimum for dimension i Mi = upper limit for dimension i

**Arora (2010)** examined the extent of financial access in developed and developing countries by propounding a new socio-economic development index. Outreach (Penetration and Availability), ease and cost dimensions were used in this study. The results of the study showed that Belgium ranks highest in terms of financial access among all the countries considered. But financial access in the South Asia region is very poor particularly Bangladesh, Pakistan and Nepal were ranked very low in the index.

**Kodan & Chhikara (2011)** analysed the status of financial inclusion in Haryana from 2001 to 2009 on the basis of deposit and credit accounts per 1000 people, population per bank office and uses ratio. The parametric and non-parametric statistical techniques were used to study the growth and trends of financial inclusion in Haryana. The researcher did not found any significant difference in the level of financial inclusion between the Haryana and India.However, the status of Haryana is somewhat better as compared to the aggregate status of India.

**Camara & Tuesta (2014)** constructed a multidimensional financial inclusion index that covered eighty-two countries for the year 2011. A two-stage Principal Component Analysis (PCA) was used. The study found that the high degree of correlation between financial inclusion and some macroeconomic variables such as GDP per capita, education, an efficiency of a financial system and financial stability.

Later on **Bhise & Babar (2016)** used an overall financial inclusion index (FII) for the two districts (Aurangabad and Jalna) by using primary and secondary data. Multiple regression model was used to identify the determinant of the level of financial inclusion. Their empirical analysis confirmed that education level; assets of household and awareness of household are significant determinants of financial inclusion. The study found high degree of financial exclusionamong scheduled castes (SCs), scheduled tribes (STs) and farm households. This study suggested that the government should focus to improve the financial inclusion process through improving financial awareness especially inunderdeveloped region and low asset households.

**Yadav& Sharma (2016)** create a composite multi-dimensional index of financial inclusion (IFI) for several states/UTs of India for the years 2011 and 2014 by using the Technique of Order Preference by Similarity to Ideal Solution (TOPSIS). This study used parameters of penetration, availability and usage of financial services. The researcher observed 0.045-point increase in the level of financial inclusion in India during this period.

#### 4. STATEMENT OF THE PROBLEM AND OBJECTIVES OF THE STUDY

The RBI granted permission to domestic Scheduled Commercial Banks including Public/Private Sector Banks to open at least 25% of the total number of branches in unbanked rural areaswith an objective to increase some level of financial inclusionthrough branch network. As on June 2018, Scheduled Commercial Banks have 149,588 bank branches across the country and out of which 50,994 branches (34.09%) are in rural, 40,621 branches (27.15%) are in semi-urban areas, 27,821 branches (18.59%) are in urban and 30,152 branches (20.16%) are in metropolitan areas. Even after numerous attempts ofGovt. of India and RBI to promote financial inclusion in financially backward areas, these are not successful because level of awareness about financial services and usage of financial services among rural population is still very low in comparison to the urban areas. Therefore, it is necessary to know which bank group or bank has how much availability of banking services in the rural and semi-rural area. For which an attempt has been made tostudy the title "Measuring Financial Inclusion through Availability Index: A study of Indian Scheduled Commercial Banks".

The objective of this study is to access availability of scheduled commercial bank to the various group of the population and rank them on the basis of availability dimension index.

#### 5. RESEARCH METHODOLOGY

Sarma (2008) gave the Availability dimension index, which means the services of an inclusive financial system should be easily available to its users. Availability of services can be measured by the number of bank outlets (per 1000 population) or by the number of ATM (per 1000 people) or the number of bank employees per customer. In the absence of the data of number of bank employees per customer, the number of bank branches and number of ATM are taken to measure the availability dimension.

To study the availability dimension index secondary data available on the website of Reserve Bank of India of the year 2017 has been collected, where the Basic Statistical Returns (BSR) defined the population groups as follows:

i) 'Rural' group includes all centres with a population of less than 10,000.

ii) 'Semi-urban' group includes centre with a population of 10,000 and above but less than 1 lakh.

iii) 'Urban' group includes centre with a population of 1 lakh and above but less than 10 lakh.

iv) 'Metropolitan' group includes centre with a population of 10 lakh and more.

For the availability dimension, six indexes have been calculated by applying the following formula which was alsoused by Sharma (2008).

$$d_i = \frac{A_i - m_i}{M_i - m_i}$$

Where d<sub>i</sub>

= dimension Index

 $A_i$  = Actual value of dimension i

 $m_i$  = lower limit for dimension <sub>i</sub>, given by the observed minimum for dimension <sub>i</sub>

 $M_i$  = upper limit for dimension <sub>i</sub>,

Same methodology has been used by UNDP (United Nations Development Programme) for computation of Human Development Index.

These six indices are: - Rural availability dimension index, Semi-rural availability dimension index, Urban availability dimension index, Metropolitan availability dimension index, On-site ATMs availability index and Off-site ATMs availability index. After calculating the availability dimension index, the index of financial inclusion (IFI) is measured by the normalized inverse Euclidean distance of the point  $D_i$  from the ideal point I = (1,1,1...1) by applying the following formula

$$IFI_{i} = 1 - \frac{\sqrt{(1 - d_{1})^{2} + (1 - d_{2})^{2} + ... + (1 - d_{n})^{2}}}{\sqrt{n}}$$

In the n-dimensional space, the point 0 = (0,0,0...0) represents the point indicating the worst situation while the point I = (1,1,1,...,1) represents the highest achievement in all dimensions. In the above formula, the numerator of the second component is the Euclidean distance, normalizing it by *n* and subtracting by 1 gives the inverse normalized distance. The normalization is done in order to make the value lie between 0 and 1 and the inverse distance is considered so that higher value of the IFI corresponds to higher financial inclusion.

#### 6. FINDING AND DISCUSSION

An inclusive financial system should be easily accessible to its user. This dimension is measured by proxies such as bank branches or number of ATM per 1000 population. In this estimation number of bank branches group-wise and number of ATMs of scheduled commercial banks has been taken. The availability dimension index has been computedon two dimensions i.e. Availability of branches of 48 Scheduled commercial banks population group-wise (Table 1.1) and Availability of ATMs of 48 Scheduled commercial banks group wise (Table 2.1).

The SBI has emerged as a major driver of financial inclusion throughout India, because it has achieved the First rank in all the categories of the population group. This is the only bank whose availability dimension index weight value has been found one. SBI is the largest bank with 23% market share in assets. Therefore, it can be stated that SBI is contributing a lot in improving the level of financial inclusion. Whereas PNB is following the SBI up to certain extent because it has emerged the second highly financially inclusive bank in the entire population group but it has been ranked at 6<sup>th</sup> positionin the metro cities. But when its index weight value is compared with SBI, it is found (.376) much lower than the index weight value of SBI. There is a large gap between the indexes of SBI and PNBbecause SBI have total 17,167 branches, where PNB have 6,504 branches in rural, semi-urban, urban and metropolitan areas. Canara Bank obtained 5<sup>th</sup> rank in the Rural Dimension index and 2<sup>nd</sup> rank in Semi-urban dimension index but in all population groups it has been ranked at number 3. In the availability dimension index Bank of Baroda and Bank of India have been ranked at number four and five respectively. Whereas, their respective rural dimension index has been found 4th and 3rd, which implies that Bank of India is more financially inclusive in rural areas in comparison to Bank of Baroda. It has been found that Nationalised banks are more financially inclusive in comparison to rest of the scheduled commercial banks. The top rank according to Availability Dimension Index among all the private sector has been found 6th and 8th of ICICI and HDFC Bank respectively. Axis Bank stands at number 12 and IDFC bank has achieved the lowest index weight value (0.000) and is ranked at 48<sup>th</sup> position because IDFC bank ltd. has the lowest number of bank branches i.e. 77 in rural, semi-urban. urban and metropolitan areas. DCB bank, RBL bank, Lakshmi Vilas bank and BhartiyaMahila Bank obtained the 44<sup>th</sup>, 45<sup>th</sup>, 46<sup>th</sup> and 47<sup>th</sup> ranks respectively (Table 1.1).

The SBI and its Associate banks haveopened highestbranches i.e. 32.56% of their total branch in the rural area. Whereas, nationalized banks have opened 31.46% of their total branches in rural area. The PNB and UBI have emerged as most financially inclusive banks in rural area as Punjab National Bank has 39.02% and United Bank of India has 38.67% branches in the rural area. Whereas IDBI bank have only 20.45% branches in rural area. On the other hand, private sector banks have only 19.55% presence in the rural area because their objectives are different from the public sector banks.Among the

SBI and its associate banks, State Bank of Travancore has the lowest number of branches in rural areas. The private sector banks have emerged as banks of highest number of branches in semi-urban area i.e. 31.64%. Whereas nationalized banks and SBI along with its associate banks have opened 27.42% and 29.80% number of branches in semi-urban area. Among the nationalized banks, Corporation bank have highest number of branches i.e. 32.27% and BhartiyaMahila Bank have lowest branches i.e. 8.65%. The State Bank of Travancore has 61.08% number of branches among the SBI and its associates in semiurban areas. Among the private sector banks, Federal bank has the highest number of branches (55.04%) and Jammu & Kashmir bank has the lowest number of branches (18.01%) in semi-urban areas. In urban areas, BhartiyaMahila Bank has opened the highest number of branches and Jammu & Kashmir bank has opened the minimum number of branches i.e. 34.61% and 11.32% respectively. In metropolitan area, Yes bank has opened 33.87% branches and State Bank of Travancore has opened the minimum number of branches i.e. 11.71%. There are total 91,445 branches of public sector banks in India in which 31.75% branches in rural area against 66.8% rural population and 68.25% branches are established for 33.2% urban population (www.worldometers.info//) of India i.e. 28.05% branches in semi-urban area, 19.56% branches in urban area and 20.64% branches in metropolitan area respectively. This situation has been found even worst in case of private sector banks. As private sector banks have 24,661 total branches, out of which 19.55% branches are situated in rural area, 31.64% branches in semi-urban area, 20.91% branches in urban area and 27.89% branches in metropolitan area respectively(Table 1.2).

In case of number of ATMs of scheduled commercial banks on the basis of availability dimension index, State Bank of India has achieved1<sup>st</sup> rank because it has installed 23,161 on-site ATMs and 27,027 off-site ATMs.Axis Bank, ICICI Bank, HDFC Bank and Punjab National Bankhas achieved the 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>and 5<sup>th</sup> ranks respectively. Whereas Bandhan Bank, Catholic Syrian Bank and IndusInd Bank has 44<sup>th</sup>, 45<sup>th</sup> and 46<sup>th</sup> ranks respectively. In case of On-site ATMs, SBI achieved first rank, whereas Bank of Baroda and Punjab Nation Bank have been ranked at number 2 and 3 respectively.WhileDhanlakshmi bank ltd, RBL bank ltd, and IDFC bank ltd. ranked 44<sup>th</sup>, 45<sup>th</sup>, and 46<sup>th</sup> respectively. In case of Off-site ATMs, State Bank of India has achieved first rank with index weight value 1.000. Axis bank and ICICI bank ranked at number 2 and 3. WhereasDhanlakshmi bank ltd, Catholic Syrian bank ltd. and IDFC bank ltd. has 43<sup>th</sup>, 44<sup>th</sup>and 45<sup>th</sup> respectively. IDFC bank does not have any ATM and attained the lowest rank in both the On-site and Off-site ATMs(Table 2.1).

Nationalized banks have opened 63.79% on-site ATMs, whereas SBI & its associates and private sector banks have 49.92% and 39.17% number of on-site ATMs. Among the nationalized banks, Syndicate bank has opened the highest number of on-site ATMs 89.88% and Bank of India has minimum number of on-site ATMs.Whereas among the SBI & its associates and private sector banks, State Bank of Patiala has opened 77.47% on-site ATMsand Bandhan Bank opened their 100% ATMs in On-site of the banks. In case of Off-site ATMs, Canara banklead the tableby opening48.75% ATMs and whereas Syndicate bank hasbeen found at the bottom as it has opened lowest number of ATMs i.e. 10.12%. There are total 148,555 ATMs opened by public sector banks in which 58.26% are on-site ATMs and 41.74% are off-site ATMs. Private sector banks opened 58,833 ATMs in which 39.17% are on-site ATMs and 60.83% are off-site ATMs (Table 2.2). This shows a major difference in their strategy. Therefore, Public sector banks should also install more and more latest ATMs at safe rural locations at least in big villages.

Table 3 shows the index of financial inclusion (IFI) measured by using the Euclidean distance formula on the basis of two dimensions i.e. the number of bank branches and the number of ATMs of scheduled commercial banks. State Bank of India has achieved the 1<sup>st</sup> rank in theavailability index of financial inclusion (IFI) with index weight value 1.000 and Punjab National Bank is ranked at number 2 but its index weight value is 0.289 which is comparatively low against SBI, because SBI have 17,167 bank branches and 50,188 ATMs. Whereas Punjab National bank have 6,504 bank branches and 10,681 ATMs throughout India. This difference between the index values will be much higher after the merger of State Bank of Bikaner and Jaipur, State Bank of Hyderabad, State Bank of Mysore, State Bank of India, State Bank of Patialaand State Bank of Travancore into the SBI.These figures show the large gap

between the number of bank branches and number of ATMs of SBI and PNB. The top rank according to the index of financial inclusion among all private sector banks has been found 3, 6 and 7 of ICICI, HDFC and Axis Bank respectively. Among the private sector banks,DhanLakshmi bank, RBL bank and IDFC bank ranked at 44<sup>th</sup>, 45<sup>th</sup> and 46<sup>th</sup> respectively with their index weight value 0.009, 0.008 and 0.000. IDFC bank has obtained the last rank with index weight value 0.000. To achieve the objective of financial inclusion more mergers are required in public sector banks and simultaneously, the Government should also pump more funds in public sector banks to fulfil the capitalization needs of regional rural banks. Because, only Regional Rural Banks can be proved backbone in achieving the objective of financial inclusion in rural India. Government should also grant more licenses to open new small finance banks to improve branch penetration in rural area.

#### 7. CONCLUSION

Financial inclusion on the basis of availability dimension has been found very low in rural India. Particularly the role of private sector banks in branch penetration in rural is not satisfactory. Though some of the public sector banks have enough exposure in rural area. Nevertheless, more emphasis is required by both public and private sector bank to improve the financial inclusion in rural area. Although, private sector banks have more branch penetration in semi urban area in comparison to the all public sector banks. Therefore, Government should pump more funds in public sector banks to fulfil the capitalizationneeds of regional rural banks. Government should grant more licenses to open new small finance banks to improve branch penetration in rural area. So that the bank correspondents can have easy availability of commercial banks or small finance banks. Thereafter, the scheme like Jan Dhan Yojana would be successful and the objective of financial inclusion would be achievable.

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					(2017)					
Bank Group	Rural Avail. Index	Rank	Semi- Urban Avail. Index	Rank	Urban Avail. Index	Rank	Metro- Politian Avail. Index	Rank	Availabilit y Dimensio n Index	Rank
Nationalized										
Banks										
Punjab National			0.343							
Bank	0.424	2		3	0.384	2	0.333	6	0.376	2
Canara Bank	0.295	5	0.395	2	0.368	3	0.379	4	0.352	3
Bank of Baroda	0.301	4	0.310	4	0.296	5	0.356	5	0.313	4
Bank of India	0.304	3	0.296	6	0.258	10	0.299	8	0.292	5
Central Bank of			0.275							
India	0.267	6		8	0.272	7	0.277	9	0.271	7
Union Bank of			0.260						1	
India	0.206	7		9	0.272	8	0.275	10	0.245	9
Syndicate Bank	0.197	9	0.222	10	0.261	9	0.259	11	0.227	10
Indian Overseas			0.203							İ
Bank	0.152	13		11	0.222	12	0.232	12	0.193	11
Allahabad Bank	0.199	8	0.154	16	0.207	14	0.189	14	0.185	13
UCO Bank	0.177	10	0.166	13	0.191	16	0.173	18	0.175	14
Andhra Bank	0.122	15	0.156	15	0.214	13	0.221	13	0.166	15
Indian Bank	0.115	16	0.148	17	0.183	17	0.181	15	0.149	16
Corporation	0.110	10	0.161		01200		0.101	10	0.2.19	10
Bank	0.095	18	0.101	14	0.166	18	0.166	19	0.139	17
Oriental Bank of	0.070	10	0.125		0.100	10	0.100	17	0.107	1,
Commerce	0.090	20	0.125	20	0.194	15	0.179	17	0.135	18
Vijaya Bank	0.076	24	0.106	23	0.165	19	0.153	20	0.114	19
United Bank of	0.070	<u> </u>	0.081		0.105	17	0.155	20	0.111	17
India	0.127	14	0.001	27	0.149	21	0.105	26	0.113	20
IDBI Bank Ltd.	0.065	28	0.118	22	0.160	20	0.148	22	0.112	21
Bank of	0.005	20	0.110		0.100	20	0.110	22	0.112	21
Maharashtra	0.100	17	0.087	24	0.108	25	0.149	21	0.106	23
Dena Bank	0.093	19	0.007	25	0.100	23	0.149	24	0.100	24
Punjab and Sind	0.095	19	0.055	23	0.115	23	0.120	24	0.100	24
Bank	0.089	21	0.035	32	0.109	24	0.095	28	0.083	25
BhartiyaMahila	0.009	21	0	32	0.109	24	0.093	20	0.003	23
Bank	0.001	46	0	48	0.007	47	0.004	46	0.001	47
State Bank	0.001	40		40	0.007	77	0.004	40	0.001	47
Group										
State Bank of		//	1.000					-		
India	1.000	1	1.000	1	1.000	1	1.000	1	1.000	1
State Bank of	1.000	1	0.122	1	1.000	1	1.000	1	1.000	1
Hyderabad	0.082	23	0.122	21	0.118	22	0.129	23	0.108	22
State Bank of	0.002	23	0.069	21	0.110	22	0.129	23	0.100	22
Patiala	0.073	26	0.009	28	0.098	27	0.064	31	0.074	27
State Bank of	0.073	20	0.068	20	0.090	21	0.004	51	0.074	27
Bikaner and			0.000							
Jaipur	0.074	25		29	0.069	31	0.083	29	0.072	28
State Bank of	0.074	23	0.147	27	0.009	51	0.005	29	0.072	20
Travancore	0.015	36	0.14/	10	0.065	33	0.037	37	0.065	31
State Bank of	0.015	29	0.050	18 35	0.065	29	0.037	37	0.065	31

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Mysore										
Private Sector	-									
Banks										
ICICI Bank Ltd.	0.161	11	0.294	7	0.318	4	0.441	2	0.279	6
HDFC Bank Ltd.	0.158	12	0.307	5	0.292	6	0.407	3	0.271	8
Axis Bank Ltd.	0.088	22	0.194	12	0.250	11	0.311	7	0.188	12
Kotak Mahindra			0.055							
Bank Ltd.	0.030	32		31	0.089	28	0.181	15	0.075	26
Federal Bank			0.138							
Ltd.	0.022	34		19	0.065	33	0.054	33	0.068	29
IndusInd Bank			0.051							
Ltd.	0.039	31		34	0.100	26	0.044	25	0.066	30
Yes Bank Ltd.	0.021	35	0.060	30	0.066	32	0.099	27	0.054	33
Jammu and			0.030							
Kashmir Bank										
Ltd.	0.072	27		41	0.028	40	0.044	36	0.046	34
South Indian			0.085						l.	
Bank Ltd.	0.013	40		26	0.048	36	0.046	35	0.045	35
Bandhan Bank			0.041							
Ltd.	0.043	30		39	0.070	30	0.033	39	0.045	36
Karnataka Bank			0.035							
Ltd.	0.024	33		40	0.064	35	0.061	32	0.040	37
KarurVysya			0.053							
Bank Ltd.	0.014	38		33	0.045	37	0.052	34	0.037	38
City Union Bank			0.044							
Ltd.	0.010	41		38	0.032	38	0.036	38	0.028	39
Tamilnad			0.048			$\sim$				
Mercantile		-			N	1				_
Bank Ltd.	0.014	37		36	0.021	42	0.017	43	0.025	40
Lakshmi Vilas			0.027							
Bank Ltd.	0.013	39		42	0.032	39	0.033	40	0.023	41
Catholic Syrian	0.001		0.045		0.001		0.01 /	45	0.000	4.2
Bank Ltd.	0.004	44	0.000	37	0.024	41	0.014	45	0.020	42
Dhanalakshmi		1 🔨	0.020		0.010		0.015	1	0.011	10
Bank Ltd.	0	47	0.010	43	0.018	43	0.015	44	0.011	43
DCB Bank Ltd.	0.006	42	0.012	45	0.014	44	0.020	41	0.011	44
RBL Bank Ltd.	0.005	43	0.012	44	0.009	45	0.019	42	0.009	45
Nainital Bank	0.000	45	0.005	16	0.000		0.000	47	0.000	10
Ltd.	0.002	45	0.000	46	0.008	46	0.003	47	0.003	46
IDFC Bank Ltd.	0	47	0.003	47	0	48	-0.006	48	0	48

## Source: Generated from RBI data

	Source: Generated from RBI data										
TABLE 1.2: BANK-WISE, BANK GROUP-WISE, AND POPULATION GROUP-WISE NUMBER OF BRANCHES OF											
SCHEDULED COMMERCIAL BANKS – 2017											
Number of branches as on March 31, 2017											
Name of the Bank	Rural	% of Total	Semi - Urban	% of Total	Urban	% of Total	Metro- Politian	% of Total	Grand Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
<b>Public Sector Banks</b>	29,033	31.75	25,647	28.05	17,890	19.56	18,875	20.64	91,445		
Nationalized Banks	21,214	31.46	18,491	27.42	13,460	19.96	14,269	21.16	67,434		
Allahabad Bank	1,206	37.16	763	23.51	648	19.97	628	19.35	3,245		
Andhra Bank	745	25.52	772	26.45	668	22.88	734	25.14	2,919		
Bank of Baroda	1,811	33.39	1,524	28.10	922	17.00	1,166	21.50	5,423		

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Bank of India	1,829	36.07	1,455	28.69	804	15.85	983	19.38	5,071
Bank of Maharashtra	617	32.52	435	22.93	343	18.08	502	26.46	1,897
Canara Bank	1,773	29.10	1,937	31.79	1,141	18.73	1,241	20.37	6,092
Central Bank of India	1,608	34.08	1,349	28.59	847	17.95	914	19.37	4,718
Corporation Bank	586	23.85	793	32.27	521	21.20	557	22.67	2,457
Dena Bank	573	32.14	434	24.34	367	20.58	409	22.94	1,783
Indian Bank	706	26.98	732	27.97	574	21.93	605	23.12	2,617
Indian Overseas Bank	923	27.28	1,000	29.56	693	20.48	767	22.67	3,383
Oriental Bank of	557	_	619		609		597		
Commerce	557	23.38	019	25.99	609	25.56	597	25.06	2,382
Punjab and Sind Bank	554	36.83	276	18.35	347	23.07	327	21.74	1,504
Punjab National Bank	2,538	39.02	1,682	25.86	1,190	18.29	1,094	16.82	6,504
Syndicate Bank	1,190	30.12	1,092	27.64	813	20.58	856	21.66	3,951
UCO Bank	1,074	34.95	821	26.72	599	19.49	579	18.84	3,073
Union Bank of India	1,243	29.08	1,279	29.92	846	19.79	906	21.19	4,274
United Bank of India	778	38.67	406	20.18	470	23.36	358	17.79	2,012
Vijaya Bank	470	23.15	528	26.01	519	25.57	513	25.27	2,030
IDBI Bank Ltd.	408	20.45	585	29.32	503	25.21	499	25.01	1,995
BhartiyaMahila Bank	25	24.04	9	8.65	36	34.61	34	32.69	104
State Bank Group	7,819	32.56	7,156	29.80	4,430	18.45	4,606	19.18	24,011
State Bank of Bikaner		52.50		27.00		10.15	~	17.10	21,011
and Jaipur	462	35.12	339	25.76	226	17.17	289	21.96	1,316
State Bank of		00.12		20.70		17.17		21.70	1,510
Hyderabad	509	26.45	603	31.34	374	19.44	438	22.76	1,924
State Bank of India	5,962	34.73	4,888	28.47	3,078	17.93	3,239	18.87	17,167
State Bank of Mysore	318	29.61	255	23.74	228	21.23	273	25.42	1,074
State Bank of Patiala	456	33.95	346	25.74	313	23.31	273	16.98	1,343
State Bank of		55.75		23.70	1	23.31		10.70	1,515
Travancore	112	9.43	725	61.08	211	17.77	139	11.71	1,187
Private Sector Banks	4,822	19.55	7,803	31.64	5,158	20.91	6,878	27.89	<b>24,661</b>
Axis Bank Ltd.	542	16.43	955	28.95	779	23.61	1,023	31.01	3,299
Bandhan Bank Ltd.	275	32.74	209	24.88	227	27.02	1,023	15.36	840
Catholic Syrian Bank		52.74		24.00		27.02		15.50	040
Ltd.	44	10.33	229	53.75	88	20.65	65	15.26	426
City Union Bank Ltd.	78	14.16	224	40.65	112	20.33	137	24.86	551
DCB Bank Ltd.	56	21.21	66	25	55	20.83	87	32.95	264
Dhanalakshmi Bank		61.61		25	55	20.05	07	52.75	201
Ltd.	20	7.52	108	40.60	67	25.19	71	26.69	266
Federal Bank Ltd.	153	12.33	683	55.04	211	17.00	194	15.63	1,241
HDFC Bank Ltd.	962	20.41	1,509	32.02	909	19.29	1,332	28.27	4,712
ICICI Bank Ltd.	979	20.11	1,444	29.77	987	20.35	1,440	29.69	4,850
IDFC Bank Ltd.	20	25.97	23	29.87	13	16.88	21	27.27	77
IndusInd Bank Ltd.	252	20.81	258	21.30	320	26.42	381	31.46	1,211
	232	20.01	230	21.30	320	20.42	301	51.40	1,211
Jammu and Kashmir Bank Ltd.	450	51.96	156	18.01	98	11.32	162	18.71	866
Karnataka Bank Ltd.	1()		100		200		217	28.25	
	162	21.09	180	23.43	209	27.21	217		768
KarurVysya Bank Ltd.	103	14.49	266	37.41	152	21.38	190	26.72	711
Kotak Mahindra Bank	197	4 4 9 9	280	00.45	287	22.04	605		1.0.00
Ltd.		14.39		20.45	-	20.96		44.19	1,369
Lakshmi Vilas Bank	99		142		111	00.10	128	0.6.67	100
	77	20.02	114						480
Ltd.		20.62		29.58		23.12		26.67	
Ltd. Nainital Bank Ltd.	33	24.81	32	24.06	37	27.82	31	23.31	133
Ltd.							31 81 170		

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Tamilnad Mercantile Bank Ltd.	106	20.95	246	48.62	79	15.61	75	14.82	506
Yes Bank Ltd.	145	14.48	300	29.97	217	21.68	339	33.87	1,001
Grand Total	33,855	29.16	33,450	28.81	23,048	19.85	25,753	22.18	116,106

**Note:** 1. Data is as per information reported by banks.

2. Data on branches exclude administrative offices.

Source: RBI, annual publications data on trend and progress of banking in India (Appendix Table V.6 Branches and ATMs of Scheduled Commercial Banks).

Link: https://www.rbi.org.in/Scripts/PublicationsView.aspx?id=18069.

TABLE 2.1: RANK OF NUM					KS ON THE BAS	IS OF
Bank Group	AVAILABILITY On-site ATMsAvail. Index	7 DIMENS	ION INDEX (20 Off-site ATMsAvail. Index	17) Rank	Avail. Dimension Index	Rank
Public Sector Banks		-				-
Nationalized Banks						
Punjab National Bank	0.256	3	0.175	6	0.212	5
Bank of Baroda	0.271	2	0.156	8	0.209	6
Canara Bank	0.232	5	0.190	5	0.209	7
Bank of India	0.150	9	0.157	7	0.153	8
Union Bank of India	0.193	7	0.112	9	0.149	9
Central Bank of India	0.149	10	0.067	10	0.105	10
Syndicate Bank	0.153	8	0.015	33	0.079	11
Andhra Bank	0.134	12	0.030	20	0.078	12
Indian Overseas Bank	0.116	13	0.036	17	0.073	13
IDBI Bank Ltd.	0.078	18	0.063	11	0.070	14
Indian Bank	0.112	14	0.027	22	0.066	15
Corporation Bank	0.099	15	0.032	18	0.063	16
UCO Bank	0.094	17	0.021	28	0.055	17
Oriental Bank of Commerce	0.098	16	0.012	38	0.053	18
United Bank of India	0.048	26	0.036	15	0.042	21
Vijaya Bank	0.071	20	0.013	36	0.039	24
Bank of Maharashtra	0.055	21	0.022	27	0.037	25
Dena Bank	0.055	22	0.009	40	0.030	30
Punjab and Sind Bank	0.044	29	0.007	42	0.024	36
Allahabad Bank	0.035	32	0.014	34	0.024	37
State Bank Group						
State Bank of India	1.000	1	1.000	1	1.000	1
State Bank of Hyderabad	0.077	19	0.021	29	0.047	19
State Bank of Bikaner and Jaipur	0.052	23	0.029	21	0.040	23
State Bank of Travancore	0.048	26	0.022	25	0.034	28
State Bank of Patiala	0.050	24	0.013	35	0.030	31
State Bank of Mysore	0.046	28	0.012	37	0.028	33
Private Sector Banks	0.010		01012	01	0.020	00
Axis Bank Ltd.	0.138	11	0.405	2	0.282	2
ICICI Bank Ltd.	0.215	6	0.329	3	0.276	3
HDFC Bank Ltd.	0.249	4	0.239	4	0.244	4
Kotak Mahindra Bank Ltd.	0.041	30	0.044	12	0.043	20
IndusInd Bank Ltd.	0.037	31	0.043	13	0.040	22
Yes Bank Ltd.	0.028	36	0.041	14	0.035	26
KarurVysya Bank Ltd.	0.032	34	0.036	16	0.034	27
Federal Bank Ltd.	0.049	25	0.019	31	0.033	29

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City Union Bank Ltd.	0.034	33	0.025	23	0.029	32
Karnataka Bank Ltd.	0.023	38	0.031	19	0.027	34
South Indian Bank Ltd.	0.032	34	0.020	30	0.026	35
Jammu and Kashmir Bank Ltd.	0.027	37	0.017	32	0.021	38
Tamilnad Mercantile Bank Ltd.	0.018	39	0.023	24	0.021	39
Lakshmi Vilas Bank Ltd.	0.0148	40	0.022	26	0.019	40
DCB Bank Ltd.	0.008	42	0.011	39	0.010	41
RBL Bank Ltd.	0.006	45	0.008	41	0.007	42
Dhanalakshmi Bank Ltd.	0.007	44	0.006	43	0.007	43
Bandhan Bank Ltd.	0.011	41	-	-	0.005	44
Catholic Syrian Bank Ltd.	0.008	43	0.002	44	0.005	45
IDFC Bank Ltd.	0	46	0	45	0	46

Source: Generated from RBI data

#### TABLE 2.2: BANK-WISE, BANK GROUP WISE AND POPULATION GROUP-WISE NUMBER OF ATMS OF SCHEDULED COMMERCIAL BANKS

Name of the Dank	Number of A	ATMs as on Marc	h 31, 2017 🔪 🔪		
Name of the Bank	On-site	% of Total	Off-site	% of Total	Total
(1)	(2)	(3)	(4)	(5)	(6)
Public Sector Banks	86,545	58.26	62,010	41.74	148,555
Nationalized Banks	56,960	63.79	32,332	36.21	89,292
Allahabad Bank	821	67.63	393	32.37	1,214
Andhra Bank	3,113	79.23	816	20.77	3,929
Bank of Baroda	6,296	59.85	4,224	40.15	10,520
Bank of India	3,483	45.13	4,234	54.86	7,717
Bank of Maharashtra	1,292	68.79	586	31.20	1,878
Canara Bank	5,391	51.25	5,128	48.75	10,519
Central Bank of India	3,481	65.86	1,804	34.13	5,285
Corporation Bank	2,306	72.77	863	27.23	3,169
Dena Bank	1,290	83.87	248	16.12	1,538
Indian Bank	2,617	77.93	741	22.07	3,358
Indian Overseas Bank	2,705	73.52	974	26.47	3,679
Oriental Bank of Commerce	2,296	85.96	325	12.17	2,671
Punjab and Sind Bank	1,049	83.72	204	16.28	1,253
Punjab National Bank	5,947	55.68	4,734	44.32	10,681
Syndicate Bank	3,571	89.88	402	10.12	3,973
UCO Bank	2,201	79.20	578	20.80	2,779
Union Bank of India	4,484	59.64	3,034	40.36	7,518
United Bank of India	1,132	53.32	991	46.68	2,123
Vijaya Bank	1,663	83.11	338	16.89	2,001
IDBI Bank Ltd.	1,822	51.51	1,715	48.49	3,537
State Bank Group	29,585	49.92	29,678	50.08	59,263
State Bank of Bikaner and Jaipur	1,220	60.45	798	39.54	2,018
State Bank of Hyderabad	1,793	75.81	572	24.19	2,365
State Bank of India	23,161	46.15	27,027	53.85	50,188
State Bank of Mysore	1,096	76.86	330	23.14	1,426
State Bank of Patiala	1,183	77.47	344	22.53	1,527
State Bank of Travancore	1,132	65.09	607	34.90	1,739
Private Sector Banks	23,045	39.17	35,788	60.83	58,833
Axis Bank Ltd.	3,209	22.65	10,954	77.33	14,165
Bandhan Bank Ltd.	282	100	-	-	282
Catholic Syrian Bank Ltd.	205	77.95	58	22.05	263

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Grand Total	109,590	52.84	97,798	47.16	207,388
Yes Bank Ltd.	663	37.14	1,122	62.86	1,785
Tamilnad Mercantile Bank Ltd.	443	41.67	620	58.32	1,063
South Indian Bank Ltd.	763	57.80	557	42.19	1,320
RBL Bank Ltd.	150	40	225	60	375
Lakshmi Vilas Bank Ltd.	362	37.79	596	62.21	958
Kotak Mahindra Bank Ltd.	971	44.89	1,192	55.12	2,163
KarurVysya Bank Ltd.	763	43.67	984	56.32	1,747
Karnataka Bank Ltd.	549	39.78	831	60.22	1,380
Jammu and Kashmir Bank Ltd.	640	58.39	456	41.60	1,096
IndusInd Bank Ltd.	874	42.93	1,162	57.07	2,036
IDFC Bank Ltd.	20	95.24	1	4.76	21
ICICI Bank Ltd.	4,988	35.93	8,894	64.07	13,882
HDFC Bank Ltd.	5,791	47.23	6,469	52.76	12,260
Federal Bank Ltd.	1,151	69.05	516	30.95	1,667
Dhanalakshmi Bank Ltd.	199	53.64	172	46.36	371
DCB Bank Ltd.	217	42.13	298	57.86	515
City Union Bank Ltd.	805	54.17	681	45.83	1,486

# TABLE 3: INDEX OF FINANCIAL INCLUSION - USING DATA ON 2 DIMENSIONS (NUMBER OF BANK BRANCHES AND NUMBER OF ATMs OF FINANCIAL INCLUSION (2017)

Name of the Bank	Total number of Bank Branches	Availability Dimension Index on the basis of number of Branches	Total number of ATMs	Availability Dimension Index on the basis of number of ATMs	Index of Financial Inclusion (IFI)	IFI Rank
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Public Sector						
Banks	91,445		148,555			
Nationalised Banks	67,434 🧖		89,292			
Punjab National						
Bank	6,504	0.376	10,681	0.212	0.289	2
Canara Bank	6,092	0.352	10,519	0.209	0.277	4
Bank of Baroda	5,423	0.313	10,520	0.209	0.259	5
Bank of India	5,071	0.292	7,717	0.153	0.220	8
Union Bank of India	4,274	0.245	7,518	0.149	0.196	9
Central Bank of India	4,718	0.271	5,285	0.105	0.184	10
Syndicate Bank	3,951	0.227	3,973	0.079	0.149	12
Indian Overseas						
Bank	3,383	0.193	3,679	0.073	0.131	13
Andhra Bank	2,919	0.166	3,929	0.078	0.121	14
Corporation Bank	2,457	0.139	3,169	0.063	0.116	15
UCO Bank	3,073	0.175	2,779	0.055	0.113	16
Indian Bank	2,617	0.149	3,358	0.066	0.106	17
Allahabad Bank	3,245	0.185	1,214	0.024	0.101	18
Oriental Bank of						
Commerce	2,382	0.135	2,671	0.053	0.093	19
IDBI Bank Ltd.	1,995	0.112	3,537	0.070	0.091	20
United Bank of India	2,012	0.113	2,123	0.042	0.077	21
Vijaya Bank	2,030	0.114	2,001	0.039	0.076	23
Bank of Maharashtra	1,897	0.106	1,878	0.037	0.071	24
Dena Bank	1,783	0.100	1,538	0.030	0.064	25

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Punjab and Sind						
Bank	1,504	0.083	1,253	0.024	0.053	28
State Bank Group	24,011		59,263			
State Bank of India	17,167	1.000	50,188	1.000	1.000	1
State Bank of						
Hyderabad	1,924	0.108	2,365	0.047	0.077	21
State Bank of						
Bikaner and Jaipur	1,316	0.072	2,018	0.040	0.056	27
State Bank of Patiala	1,343	0.074	1,527	0.030	0.052	30
State Bank of						
Travancore	1,187	0.065	1,739	0.034	0.049	32
State Bank of Mysore	1,074	0.058	1,426	0.028	0.043	34
Private Sector						
Banks	24,661		58,833			×
ICICI Bank Ltd.	4,850	0.279	13,882	0.276	0.278	3
HDFC Bank Ltd.	4,712	0.271	12,260	0.244	0.257	6
Axis Bank Ltd.	3,299	0.188	14,165	0.282	0.234	7
KarurVysya Bank	·				- X	
Ltd.	711	0.037	1,747	0.034	0.176	11
Kotak Mahindra					P	
Bank Ltd.	1,369	0.075	2,163	0.043	0.059	26
IndusInd Bank Ltd.	1,211	0.066	2,036	0.040	0.053	29
Federal Bank Ltd.	1,241	0.068	1,667	0.033	0.050	31
Yes Bank Ltd.	1,001	0.054	1,785	0.035	0.044	33
South Indian Bank				0.026		
Ltd.	850	0.045	1,320	0.026	0.035	35
Jammu and Kashmir						
Bank Ltd.	866	0.046	1,096	0.021	0.034	36
Karnataka Bank Ltd.	768	0.040	1,380	0.027	0.034	36
City Union Bank Ltd.	551	0.028	1,486	0.029	0.028	38
Bandhan Bank Ltd.	840	0.045	282	0.005	0.024	39
Tamilnad Mercantile	A		2			
Bank Ltd.	506	0.025	1,063	0.021	0.023	40
Lakshmi Vilas Bank						
Ltd.	480	0.023	958	0.019	0.021	41
Catholic Syrian Bank						
Ltd.	426	0.020	263	0.005	0.012	42
DCB Bank Ltd.	264	0.011	515	0.010	0.010	43
Dhanalakshmi Bank						
Ltd.	266	0.011	371	0.007	0.009	44
RBL Bank Ltd.	240	0.009	375	0.007	0.008	45
			21			46

Source: Generated from RBI data.