

APPENDIX

Table 1

Variables used and Sources

SI NO	Name of Variable	Source
1	<i>Asset growth of NBFCs</i>	Adrian & Shin (2008)
2	Change in Bank advance to NBFCs/Total Assets for Previous Year	Acharya, Khandwala, & Öncü (2013)
3	Advances by SCBs to SSIs	Edet, Anoka, & Antakikam (2014)
4	Advances by Co operative non credit societies to households	Kumar, Singh, & Sinha (2010)
5	Bank borrowings by NBFCs	Adrian & Shin (2008)
6	Net worth of NBFCs	Adrian & Shin (2008)
7	SCBs' Credit in Kerala	Thomas (2007)
8	Advance to Weaker Sections by SCBs	Acharya, Khandwala, & Öncü (2013)
9	Number of SCBs branches	Burgess & Pande (2005)
10	NBFCs leverage (Share Capital/Total Assets)	Adrian & Shin (2008)
11	<i>ROE of NBFCs</i>	Staikouras et al. (2007) Sakyi et al. (2014)
12	<i>Total Income of NBFCs</i>	Arwal, Pathneja, & Yadav (2015)
13	Rural Deposit in SCBs	Majeesh (2012)
14	Semi Urban Deposit in SCBs	Majeesh (2012)
15	Rural Credit in SCBs	Majeesh (2012)
16	District wise SCBs' Credit	Thomas (2007)
17	<i>Maturity Transformation Ratio (MTR)</i>	Aubert et al. (2016), Godfrey & Golden (2012)
18	<i>Relative Magnitude of Liability and Assets</i>	Aubert et al. (2016)

Table II
Aggregate Public Deposits of the NBFC Sector

Year (End- March)	NBFCs		RNBCs		Total Public Deposits (3+5)
	No. of Reporting Companies	Public Deposits	No. of Reporting Companies	Public Deposits	
1	2	3	4	5	6
1997-98	1420	135.72	9	102.49	238.2
1998-99	1536	97.85	11	106.44	204.29
1999-00	996	83.38	9	110.04	193.42
2000-01	974	64.59	7	116.25	180.85
2001-02	905	59.33	5	128.89	188.22
2002-03	870	50.35	5	150.65	201
2003-04	774	43.17	3	153.27	196.44
2004-05	700	39.26	3	166	205.26
2005-06	428	24.48	3	201.75	226.23
2006-07	401	20.77	3	226.22	246.99
2007-08	364	20.42	2	223.58	244
2008-09	336	19.71	2	195.95	215.66
2009-10	308	28.31	2	145.21	173.52
2010-11	297	40.98	2	79.02	120
2011-12	271	57.35	2	42.65	100
2012-13	254	70.85	2	38.17	109.02
2013-14	240	108.08	2	35.82	143.9
2014-15	220	289.41	2	31.83	321.24
2015-16 P	202	356.53	1	15.58	372.11
NBFC : Non-Banking Financial Company RNBC : Residuary Non-Banking Company P : Provisional					

Source: Report on Trend and Progress of Banking in India for various years, RBI.

Note: NBFCs here include Deposit taking NBFCs (NBFCs-D), Mutual Benefit Financial Companies (MBFCs)/ Notified Nidhis, Mutual Benefit Companies (MBCs)/ Potential Nidhis, etc. till 2004-05 and only NBFCs-D thereafter.

Table III**Number of Scheduled Commercial Bank Branches in Kerala**

Year	Rural	Increase/ Decrease	Semi-Urban	Increase/Decrease	Urban	Increase/Decrease	Total	Increase/ Decrease
2011-12:Q2	340		3,110		1,143		4,593	
2011-12:Q3	343	3	3,148	38	1,155	12	4,646	53
2011-12:Q4	345	2	3,253	105	1,185	30	4,783	137
2012-13:Q1	351	6	3,329	76	1,216	31	4,896	113
2012-13:Q2	357	6	3,406	77	1,216	0	4,979	83
2012-13:Q3	359	2	3,470	64	1,230	14	5,059	80
2012-13:Q4	370	11	3,597	127	1,240	10	5,207	148
2013-14:Q1	373	3	3,629	32	1,260	20	5,262	55
2013-14:Q2	378	5	3,693	64	1,277	17	5,348	86
2013-14:Q3	387	9	3,779	86	1,298	21	5,464	116
2013-14:Q4	403	16	3,864	85	1,335	37	5,602	138
2014-15:Q1	438	35	3,915	51	1,354	19	5,707	105
2014-15:Q2	445	7	3,974	59	1,374	20	5,793	86
2014-15:Q3	443	-2	4,032	58	1,411	37	5,886	93
2014-15:Q4	449	6	4,094	62	1,438	27	5,981	95
2015-16:Q1	453	4	4,120	26	1,457	19	6,030	49
2015-16:Q2	333	-120	4,220	100	1,486	29	6,039	9
2015-16:Q3	333	0	4,254	34	1,507	21	6,094	55
2015-16:Q4	344	11	4,300	46	1,522	15	6,166	72
2016-17:Q1	352	8	4,318	18	1,538	16	6,208	42
2016-17:Q2	316	-36	4,481	163	1,462	-76	6,259	51
2016-17:Q3	320	4	4,504	23	1,480	18	6,304	45
2016-17:Q4	323	3	4,537	33	1,477	-3	6,337	33

Source: Quarterly Statistics on Deposits and Credit of Scheduled Commercial Banks, RBI

<https://dbie.rbi.org.in/DBIE/dbie.rbi?site=publications>

Table IV**Population wise Deposits in Scheduled Commercial Banks in Kerala**

Year	Rural Deposits	Growth Rate	Semi Urban deposits	Growth Rate	Urban Deposits	Growth Rate	Total Deposits	Growth Rate
2011-12:Q2	63,878		853,397		692,335		1,609,610	
2011-12:Q3	65,861	3.10	885,918	3.81	753,694	8.86	1,705,473	5.96
2011-12:Q4	66,238	0.57	899,946	1.58	757,002	0.44	1,723,185	1.04
2012-13:Q1	70,329	6.18	971,024	7.90	801,848	5.92	1,843,201	6.96
2012-13:Q2	74,450	5.86	1,029,864	6.06	800,337	-0.19	1,904,651	3.33
2012-13:Q3	77,712	4.38	1,077,945	4.67	850,070	6.21	2,005,727	5.31
2012-13:Q4	81,734	5.18	1,151,325	6.81	892,447	4.99	2,125,506	5.97
2013-14:Q1	83,617	2.30	1,172,223	1.82	913,455	2.35	2,169,295	2.06
2013-14:Q2	85,909	2.74	1,200,203	2.39	922,118	0.95	2,208,230	1.79
2013-14:Q3	89,349	4.00	1,262,918	5.23	989,905	7.35	2,342,172	6.07
2013-14:Q4	92,387	3.40	1,316,046	4.21	989,013	-0.09	2,397,445	2.36
2014-15:Q1	96,838	4.82	1,379,512	4.82	1,019,012	3.03	2,495,362	4.08
2014-15:Q2	100,081	3.35	1,434,621	3.99	1,114,539	9.37	2,649,241	6.17
2014-15:Q3	106,588	6.50	1,518,042	5.81	1,154,772	3.61	2,779,402	4.91
2014-15:Q4	108,604	1.89	1,545,712	1.82	1,157,627	0.25	2,811,944	1.17
2015-16:Q1	112,216	3.33	1,590,703	2.91	1,202,211	3.85	2,905,130	3.31
2015-16:Q2	115,371	2.81	1,651,193	3.80	1,238,494	3.02	3,005,059	3.44
2015-16:Q3	123,103	6.70	1,768,028	7.08	1,308,970	5.69	3,200,101	6.49
2015-16:Q4	126,364	2.65	1,805,241	2.10	1,326,669	1.35	3,258,274	1.82
2016-17:Q1	78,659	-37.75	1,897,963	5.14	1,374,713	3.62	3,351,335	2.86
2016-17:Q2	80,651	2.53	1,961,252	3.33	1,401,736	1.97	3,443,639	2.75
2016-17:Q3	85,860	6.46	2,072,019	5.65	1,477,232	5.39	3,635,111	5.56
2016-17:Q4	87,180	1.54	2,103,216	1.51	1,483,030	0.39	3,673,427	1.05

Source: Quarterly Statistics on Deposits and Credit of Scheduled Commercial Banks, RBI

<https://dbie.rbi.org.in/DBIE/dbie.rbi?site=publications>

Note: Amounts in million Rupees. Growth rate in percentage.

Table V**Population wise Credits by Scheduled Commercial Banks in Kerala**

Year	Rural Credit	Growth Rate	Semi Urban Credit	Growth Rate	Urban Credit	Growth Rate	Total Credit	Growth Rate
2011-12:Q2	54,261		575,694		741,107		1,371,062	
2011-12:Q3	56,876	4.82	588,334	2.20	760,368	2.60	1,405,577	2.52
2011-12:Q4	60,313	6.04	630,060	7.09	824,887	8.49	1,515,259	7.80
2012-13:Q1	68,454	13.50	650,550	3.25	800,210	-2.99	1,519,215	0.26
2012-13:Q2	71,791	4.87	686,994	5.60	802,946	0.34	1,561,731	2.80
2012-13:Q3	73,802	2.80	714,282	3.97	805,249	0.29	1,593,333	2.02
2012-13:Q4	81,356	10.24	771,009	7.94	864,757	7.39	1,717,121	7.77
2013-14:Q1	83,245	2.32	775,016	0.52	812,266	-6.07	1,670,526	-2.71
2013-14:Q2	82,318	-1.11	806,257	4.03	836,288	2.96	1,724,863	3.25
2013-14:Q3	85,249	3.56	831,885	3.18	816,670	-2.35	1,733,803	0.52
2013-14:Q4	100,646	18.06	897,925	7.94	883,867	8.23	1,882,438	8.57
2014-15:Q1	90,438	-10.14	906,575	0.96	848,689	-3.98	1,845,703	-1.95
2014-15:Q2	91,338	0.99	936,901	3.35	871,393	2.68	1,899,632	2.92
2014-15:Q3	93,066	1.89	961,534	2.63	888,256	1.94	1,942,856	2.28
2014-15:Q4	95,390	2.50	1,028,165	6.93	973,007	9.54	2,096,562	7.91
2015-16:Q1	98,963	3.75	1,009,377	-1.83	938,388	-3.56	2,046,728	-2.38
2015-16:Q2	57,142	-42.26	1,049,106	3.94	973,490	3.74	2,079,739	1.61
2015-16:Q3	58,089	1.66	1,064,902	1.51	992,771	1.98	2,115,762	1.73
2015-16:Q4	60,251	3.72	1,108,736	4.12	1,079,012	8.69	2,248,000	6.25
2016-17:Q1	60,578	0.54	1,114,152	0.49	1,074,142	-0.45	2,248,872	0.04
2016-17:Q2	62,150	2.60	1,219,463	9.45	1,124,351	4.67	2,405,964	6.99
2016-17:Q3	60,932	-1.96	1,223,178	0.30	1,128,608	0.38	2,412,718	0.28
2016-17:Q4	58,427	-4.11	1,283,162	4.90	1,121,549	-0.63	2,463,139	2.09

Source: Quarterly Statistics on Deposits and Credit of Scheduled Commercial Banks, RBI

<https://dbie.rbi.org.in/DBIE/dbie.rbi?site=publications>

Note: Amounts in million Rupees. Growth rate in percentage.

Table VI**District wise Distribution of Bank Branches in Kerala**

Year & Quarter	THIRUVANAN THAPURAM	KOLLA M	ALAPUZ HA	KOTTA YAM	ERNAKU LAM	THRISS UR	PALAK KAD	IDUK KI	PATHANA MTHITTA	KOZHI KODE	MALAP PURAM	KANN UR	WAYAN AD	KASAR AGOD	Total
2011-12:Q2	508	272	286	362	735	522	307	127	303	317	337	270	94	153	4593
2011-12:Q3	518	276	289	367	742	527	314	128	307	317	338	274	94	155	4646
2011-12:Q4	535	284	297	378	765	543	323	131	312	331	347	281	97	159	4783
2012-13:Q1	547	292	303	392	784	553	328	134	319	338	353	292	100	161	4896
2012-13:Q2	553	303	307	408	788	557	336	138	327	337	356	303	101	165	4979
2012-13:Q3	578	306	313	413	801	559	336	144	336	342	356	307	101	167	5059
2012-13:Q4	599	317	323	427	818	573	341	148	348	351	366	318	103	175	5207
2013-14:Q1	603	321	325	430	827	583	347	148	352	355	368	321	103	179	5262
2013-14:Q2	609	335	330	435	840	596	350	150	352	364	373	325	103	186	5348
2013-14:Q3	615	345	335	447	851	606	358	154	353	382	386	336	105	191	5464
2013-14:Q4	632	351	340	458	872	627	365	158	361	393	399	343	108	195	5602
2014-15:Q1	637	357	346	464	889	664	370	161	363	399	402	348	109	198	5707
2014-15:Q2	652	363	349	470	898	678	376	162	366	403	413	354	110	199	5793
2014-15:Q3	663	368	356	473	918	686	385	165	369	411	418	359	114	201	5886
2014-15:Q4	675	374	363	475	932	695	390	169	373	423	425	366	115	206	5981
2015-16:Q1	686	375	366	478	942	700	392	170	373	427	429	367	115	210	6030
2015-16:Q2	691	374	366	481	939	702	394	171	374	425	429	367	116	210	6039
2015-16:Q3	703	378	368	485	955	701	398	172	376	431	429	368	117	213	6094
2015-16:Q4	706	380	371	487	965	715	410	173	380	437	433	374	119	216	6166
2016-17:Q1	713	384	373	488	974	722	410	174	382	437	437	378	119	217	6208
2016-17:Q2	718	385	375	494	986	729	417	174	382	438	443	379	120	219	6,259
2016-17:Q3	726	390	375	496	995	731	421	175	382	445	446	383	120	219	6,304
2016-17:Q4	725	390	378	501	999	733	425	176	387	446	448	388	121	220	6,337

Source: Quarterly Statistics on Deposits and Credit of Scheduled Commercial Banks, RBI

<https://dbie.rbi.org.in/DBIE/dbie.rbi?site=publications>

Table VII

District wise Deposits in Scheduled Commercial Banks in Kerala

Year	THIRU VANAN		ALAPU		KOTTA ERNAK		THRISS		PALAK		IDUKK		PATHA		MALA		KASA		TOTAL
	THAPU RAM	KOLL AM	ZHA	YAM	ULAM	UR	KAD	I	NAMT HITTA	KOZHI KODE	PPURA M	KANN UR	WAYA NAD	RAGO D					
2011-12:Q2	307260	112856	102949	138643	433641	194982	82516	20951	154365	91409	77327	87026	11258	28018	1843201				
2011-12:Q3	324231	118946	108888	147059	412975	204714	86311	21318	162590	98289	84462	93250	11511	30108	1904651				
2011-12:Q4	346921	124076	114930	154380	429430	218417	93099	23092	169836	103368	87271	96595	12862	31451	2005727				
2012-13:Q1	365535	131233	121446	164358	448927	232874	98667	23816	180811	110560	94187	105726	13534	33832	2125506				
2012-13:Q2	371692	134583	124652	167300	452944	246217	100358	24239	184698	113660	94775	106523	13733	33920	2169295				
2012-13:Q3	373589	139997	127868	169157	457025	251551	103741	24808	189684	115641	96155	109833	14221	34961	2208230				
2012-13:Q4	380989	145056	134805	174429	511711	271354	106628	27186	198348	123015	100823	115281	15161	37385	2342172				
2013-14:Q1	394749	152015	140021	182914	494525	271428	110008	27459	207523	133258	105849	123076	15208	39413	2397445				
2013-14:Q2	409500	160323	148264	190251	504735	282695	115007	27451	216623	139889	113048	130315	15922	41339	2495362				
2013-14:Q3	440768	184926	154273	197649	541902	295105	119963	29546	223525	149010	118789	134700	16561	42524	2649241				
2013-14:Q4	453715	190915	163182	209931	568476	313442	127514	31776	234251	151759	130939	139354	18313	45835	2779402				
2014-15:Q1	458670	195414	169808	217057	556978	315714	127909	30831	241330	164541	124151	145055	17952	46534	2811944				
2014-15:Q2	477104	201004	171181	223283	576472	326304	132462	31361	245427	172773	129447	151817	18525	47970	2905130				
2014-15:Q3	489583	210049	179138	231363	597675	343085	137211	32765	254734	171071	133988	155783	19577	49039	3005059				
2014-15:Q4	500678	213654	193658	247131	656146	362250	145699	36218	268597	186356	143683	169382	22114	54535	3200101				
2015-16:Q1	513003	225403	196127	251800	654229	372291	147248	35669	281625	189193	146945	169388	20442	54911	3258274				
2015-16:Q2	522150	229804	201979	257914	678381	383562	151395	36465	289329	193199	154059	175038	21485	56576	3351335				
2015-16:Q3	530305	235675	209028	265165	693786	395756	157214	37859	297182	199172	159573	182232	22331	58361	3443639				
2015-16:Q4	560142	243695	219776	276811	736289	419478	168991	40734	309177	208381	170962	194181	24366	62130	3635111				
2016-17:Q1	565590	246805	225309	280946	737959	423395	170080	41308	313684	210430	175012	196610	24202	62098	3673427				
2016-17:Q2	583681	255697	237428	293001	808137	440615	178622	43021	319079	217734	182985	205358	25705	65074	3856137				
2016-17:Q3	595660	253501	254507	310420	803068	470965	195691	48284	333043	241496	210453	226982	29260	73288	4046618				
2016-17:Q4	609410	254474	261761	319623	812449	483596	200616	50479	346918	241621	208161	231725	30231	73969	4125033				

Source: Database on Indian Economy, RBI.

<https://dbie.rbi.org.in/BOE/OpenDocument/1608101729/OpenDocument/opendoc/openDocument.faces?logonSuccessful=true&shareId=0>

Table VIII

Percentage Share of Bank Deposit for each District

Year	THIRUV					PATHA								
	ANANTH APURA	KOLLAM	ALAPU ZHA	KOTTA YAM	ERNAK ULAM	THRISS UR	PALAK KAD	IDUKK I	NAMTH ITTA	KOZHILLOOR KODE	MALAP PURAM	KANNUR	WAYANAD NAD	KASARAGOD AGOD
2011-12:Q2	16.67	6.12	5.59	7.52	23.53	10.58	4.48	1.14	8.37	4.96	4.20	4.72	0.61	1.52
2011-12:Q3	17.02	6.25	5.72	7.72	21.68	10.75	4.53	1.12	8.54	5.16	4.43	4.90	0.60	1.58
2011-12:Q4	17.30	6.19	5.73	7.70	21.41	10.89	4.64	1.15	8.47	5.15	4.35	4.82	0.64	1.57
2012-13:Q1	17.20	6.17	5.71	7.73	21.12	10.96	4.64	1.12	8.51	5.20	4.43	4.97	0.64	1.59
2012-13:Q2	17.13	6.20	5.75	7.71	20.88	11.35	4.63	1.12	8.51	5.24	4.37	4.91	0.63	1.56
2012-13:Q3	16.92	6.34	5.79	7.66	20.70	11.39	4.70	1.12	8.59	5.24	4.35	4.97	0.64	1.58
2012-13:Q4	16.27	6.19	5.76	7.45	21.85	11.59	4.55	1.16	8.47	5.25	4.30	4.92	0.65	1.60
2013-14:Q1	16.47	6.34	5.84	7.63	20.63	11.32	4.59	1.15	8.66	5.56	4.42	5.13	0.63	1.64
2013-14:Q2	16.41	6.42	5.94	7.62	20.23	11.33	4.61	1.10	8.68	5.61	4.53	5.22	0.64	1.66
2013-14:Q3	16.64	6.98	5.82	7.46	20.45	11.14	4.53	1.12	8.44	5.62	4.48	5.08	0.63	1.61
2013-14:Q4	16.32	6.87	5.87	7.55	20.45	11.28	4.59	1.14	8.43	5.46	4.71	5.01	0.66	1.65
2014-15:Q1	16.31	6.95	6.04	7.72	19.81	11.23	4.55	1.10	8.58	5.85	4.42	5.16	0.64	1.65
2014-15:Q2	16.42	6.92	5.89	7.69	19.84	11.23	4.56	1.08	8.45	5.95	4.46	5.23	0.64	1.65
2014-15:Q3	16.29	6.99	5.96	7.70	19.89	11.42	4.57	1.09	8.48	5.69	4.46	5.18	0.65	1.63
2014-15:Q4	15.65	6.68	6.05	7.72	20.50	11.32	4.55	1.13	8.39	5.82	4.49	5.29	0.69	1.70
2015-16:Q1	15.74	6.92	6.02	7.73	20.08	11.43	4.52	1.09	8.64	5.81	4.51	5.20	0.63	1.69
2015-16:Q2	15.58	6.86	6.03	7.70	20.24	11.45	4.52	1.09	8.63	5.76	4.60	5.22	0.64	1.69
2015-16:Q3	15.40	6.84	6.07	7.70	20.15	11.49	4.57	1.10	8.63	5.78	4.63	5.29	0.65	1.69
2015-16:Q4	15.41	6.70	6.05	7.61	20.25	11.54	4.65	1.12	8.51	5.73	4.70	5.34	0.67	1.71
2016-17:Q1	15.40	6.72	6.13	7.65	20.09	11.53	4.63	1.12	8.54	5.73	4.76	5.35	0.66	1.69
2016-17:Q2	15.14	6.63	6.16	7.60	20.96	11.43	4.63	1.12	8.27	5.65	4.75	5.33	0.67	1.69
2016-17:Q3	14.72	6.26	6.29	7.67	19.85	11.64	4.84	1.19	8.23	5.97	5.20	5.61	0.72	1.81
2016-17:Q4	14.77	6.17	6.35	7.75	19.70	11.72	4.86	1.22	8.41	5.86	5.05	5.62	0.73	1.79
Average	16.14	6.55	5.94	7.65	20.62	11.30	4.61	1.13	8.50	5.57	4.55	5.15	0.65	1.65

Source: Database on Indian Economy, RBI.

<https://dbie.rbi.org.in/BOE/OpenDocument/1608101729/OpenDocument/opendoc/openDocument.faces?logonSuccessful=true&shareId=0>

Table IX

Percentage Growth in Bank Deposit in Various Districts

Year	ANANTH					PATHA								
	APURA M	KOLL AM	ALAPU ZHA	KOTTA YAM	ERNAK ULAM	THRISS UR	PALAK KAD	IDUKK I	NAMTH ITTA	KOZHI KODE	MALAP PURAM	KANN UR	WAYA NAD	KASAR AGOD
2011-12:Q2	6.17	10.40	7.60	9.58	5.35	7.89	1.85	2.16	10.10	7.23	7.70	6.84	9.33	5.81
2011-12:Q3	5.52	5.40	5.77	6.07	-4.77	4.99	4.60	1.75	5.33	7.53	9.23	7.15	2.25	7.46
2011-12:Q4	7.00	4.31	5.55	4.98	3.98	6.69	7.86	8.32	4.46	5.17	3.33	3.59	11.74	4.46
2012-13:Q1	5.37	5.77	5.67	6.46	4.54	6.62	5.98	3.14	6.46	6.96	7.92	9.45	5.22	7.57
2012-13:Q2	1.68	2.55	2.64	1.79	0.89	5.73	1.71	1.78	2.15	2.80	0.62	0.75	1.47	0.26
2012-13:Q3	0.51	4.02	2.58	1.11	0.90	2.17	3.37	2.35	2.70	1.74	1.46	3.11	3.55	3.07
2012-13:Q4	1.98	3.61	5.43	3.12	11.97	7.87	2.78	9.59	4.57	6.38	4.85	4.96	6.61	6.93
2013-14:Q1	3.61	4.80	3.87	4.86	-3.36	0.03	3.17	1.00	4.63	8.33	4.99	6.76	0.31	5.42
2013-14:Q2	3.74	5.47	5.89	4.01	2.06	4.15	4.54	-0.03	4.39	4.98	6.80	5.88	4.69	4.89
2013-14:Q3	7.64	15.35	4.05	3.89	7.36	4.39	4.31	7.63	3.19	6.52	5.08	3.36	4.02	2.87
2013-14:Q4	2.94	3.24	5.77	6.21	4.90	6.21	6.29	7.55	4.80	1.85	10.23	3.45	10.57	7.79
2014-15:Q1	1.09	2.36	4.06	3.39	-2.02	0.72	0.31	-2.98	3.02	8.42	-5.18	4.09	-1.97	1.52
2014-15:Q2	4.02	2.86	0.81	2.87	3.50	3.35	3.56	1.72	1.70	5.00	4.27	4.66	3.19	3.09
2014-15:Q3	2.62	4.50	4.65	3.62	3.68	5.14	3.58	4.48	3.79	-0.99	3.51	2.61	5.68	2.23
2014-15:Q4	2.27	1.72	8.11	6.82	9.78	5.59	6.19	10.54	5.44	8.93	7.24	8.73	12.96	11.21
2015-16:Q1	2.46	5.50	1.28	1.89	-0.29	2.77	1.06	-1.52	4.85	1.52	2.27	0.00	-7.56	0.69
2015-16:Q2	1.78	1.95	2.98	2.43	3.69	3.03	2.82	2.23	2.74	2.12	4.84	3.34	5.10	3.03
2015-16:Q3	1.56	2.55	3.49	2.81	2.27	3.18	3.84	3.82	2.71	3.09	3.58	4.11	3.94	3.15
2015-16:Q4	5.63	3.40	5.14	4.39	6.13	5.99	7.49	7.59	4.04	4.62	7.14	6.56	9.11	6.46
2016-17:Q1	0.97	1.28	2.52	1.49	0.23	0.93	0.64	1.41	1.46	0.98	2.37	1.25	-0.67	-0.05
2016-17:Q2	3.20	3.60	5.38	4.29	9.51	4.07	5.02	4.15	1.72	3.47	4.56	4.45	6.21	4.79
2016-17:Q3	2.05	-0.86	7.19	5.95	-0.63	6.89	9.56	12.24	4.38	10.91	15.01	10.53	13.83	12.62
2016-17:Q4	2.31	0.38	2.85	2.96	1.17	2.68	2.52	4.54	4.17	0.05	-1.09	2.09	3.32	0.93
Average	3.31	4.09	4.49	4.13	3.08	4.40	4.05	4.06	4.03	4.68	4.81	4.68	4.91	4.62

Source: Database on Indian Economy, RBI.

<https://dbie.rbi.org.in/BOE/OpenDocument/1608101729/OpenDocument/opendoc/openDocument.faces?logonSuccessful=true&shareId=0>

Table X

Credit Disbursal in Various Districts by Scheduled Commercial Banks in Kerala

Year	THIRU								PATH				KASA			TOTAL
	VANAN	THAPU	KOLL	ALAPU	KOTT	ERNAK	THRIS	PALAK	IDUK	THITT	KOZH	PPUR	KANN	WAYA	RAGO	
	RAM	AM	ZHA	AYAM	ULAM	SUR	KAD	KI	A	KODE	AM	UR	NAD	D		
2011-12:Q2	198760	79492	61086	86335	433121	161087	56690	25173	47315	73080	58885	51212	14566	24260	1371062	
2011-12:Q3	208709	83614	61941	89075	439468	168264	58987	26008	48682	75904	50633	53042	15203	26045	1405577	
2011-12:Q4	232894	87757	64540	96520	475569	178116	63449	27884	52015	81345	54572	56370	16133	28096	1515259	
2012-13:Q1	236861	95239	66467	97564	457607	173870	64963	28700	53513	85012	56692	57432	16531	28763	1519215	
2012-13:Q2	249382	95207	70527	102103	454506	176534	68731	30455	55908	90517	59574	60864	17448	29975	1561731	
2012-13:Q3	258657	96516	72792	106158	469668	159913	71712	31696	57695	93253	62293	63813	18054	31113	1593333	
2012-13:Q4	271657	103661	78469	114665	511138	171299	77944	34421	61668	102505	68171	68792	19452	33278	1717121	
2013-14:Q1	262610	106157	78437	112813	477759	165451	78677	34608	61817	101427	68422	69039	19593	33715	1670526	
2013-14:Q2	268070	113373	82370	113699	491641	169253	82558	36358	63560	103204	72907	72720	20180	34969	1724863	
2013-14:Q3	279107	112830	84566	116486	467189	171557	84909	37410	64765	108640	73315	75546	21030	36452	1733803	
2013-14:Q4	309829	118625	90697	126443	504301	187434	89507	40422	70583	117106	83913	81643	22819	39115	1882438	
2014-15:Q1	303460	125485	91359	125263	467315	186884	90261	40994	69704	119286	80952	81643	23225	39870	1845703	
2014-15:Q2	309425	130152	95126	129253	478003	193280	92931	43029	71267	123067	84315	84651	24118	41016	1899632	
2014-15:Q3	306915	130334	96985	131833	497033	198346	95980	43938	72721	126890	87129	87657	25033	42062	1942856	
2014-15:Q4	316364	136993	105374	139886	554086	218795	103421	46440	76494	133299	96935	93353	26669	48452	2096562	
2015-16:Q1	318792	142306	98690	136912	521962	212175	99613	46103	74943	132918	94583	92349	26765	48617	2046728	
2015-16:Q2	321599	146613	99688	140283	535424	211023	101475	46856	75726	135625	94556	94526	27286	49061	2079739	
2015-16:Q3	324624	141529	100668	142009	561509	208757	102783	47357	77159	138885	95431	97120	28279	49652	2115762	
2015-16:Q4	357170	147637	103338	148108	596536	224835	109004	49323	79644	146230	102377	102505	29691	51603	2248000	
2016-17:Q1	349038	153908	103452	146511	596141	229312	108687	48921	79771	147625	100751	103035	30099	51621	2248872	
2016-17:Q2	381892	166595	110778	154437	641448	241314	114679	51342	86184	155522	108057	108532	31729	53454	2405964	
2016-17:Q3	384969	158767	111194	155232	653654	241353	115692	51785	85323	153648	106645	109415	31985	53057	2412718	
2016-17:Q4	366509	163876	115084	161675	666011	246520	121322	54190	87559	162427	112059	115218	35036	55654	2463139	

Source: Database on Indian Economy, RBI.

<https://dbie.rbi.org.in/BOE/OpenDocument/1608101729/OpenDocument/opendoc/openDocument.faces?logonSuccessful=true&shareId=0>

Table XI

Percentage Bank Credit to Total in Various Districts of Kerala

Year & Quarter	THIRUV ANANT		PATHAN											
	HAPURA	KOLLA	ALAPUZ	KOTTA	ERNAK	THRISS	PALAK	AMTHIT	KOZHIC	MALAPP	KANNU	WAYAN	KASARA	
	M	M	HA	YAM	ULAM	UR	KAD	IDUKKI	TA	ODE	URAM	R	AD	GOD
2011-12:Q2	14.50	5.80	4.46	6.30	31.59	11.75	4.13	1.84	3.45	5.33	4.29	3.74	1.06	1.77
2011-12:Q3	14.85	5.95	4.41	6.34	31.27	11.97	4.20	1.85	3.46	5.40	3.60	3.77	1.08	1.85
2011-12:Q4	15.37	5.79	4.26	6.37	31.39	11.75	4.19	1.84	3.43	5.37	3.60	3.72	1.06	1.85
2012-13:Q1	15.59	6.27	4.38	6.42	30.12	11.44	4.28	1.89	3.52	5.60	3.73	3.78	1.09	1.89
2012-13:Q2	15.97	6.10	4.52	6.54	29.10	11.30	4.40	1.95	3.58	5.80	3.81	3.90	1.12	1.92
2012-13:Q3	16.23	6.06	4.57	6.66	29.48	10.04	4.50	1.99	3.62	5.85	3.91	4.01	1.13	1.95
2012-13:Q4	15.82	6.04	4.57	6.68	29.77	9.98	4.54	2.00	3.59	5.97	3.97	4.01	1.13	1.94
2013-14:Q1	15.72	6.35	4.70	6.75	28.60	9.90	4.71	2.07	3.70	6.07	4.10	4.13	1.17	2.02
2013-14:Q2	15.54	6.57	4.78	6.59	28.50	9.81	4.79	2.11	3.68	5.98	4.23	4.22	1.17	2.03
2013-14:Q3	16.10	6.51	4.88	6.72	26.95	9.89	4.90	2.16	3.74	6.27	4.23	4.36	1.21	2.10
2013-14:Q4	16.46	6.30	4.82	6.72	26.79	9.96	4.75	2.15	3.75	6.22	4.46	4.34	1.21	2.08
2014-15:Q1	16.44	6.80	4.95	6.79	25.32	10.13	4.89	2.22	3.78	6.46	4.39	4.42	1.26	2.16
2014-15:Q2	16.29	6.85	5.01	6.80	25.16	10.17	4.89	2.27	3.75	6.48	4.44	4.46	1.27	2.16
2014-15:Q3	15.80	6.71	4.99	6.79	25.58	10.21	4.94	2.26	3.74	6.53	4.48	4.51	1.29	2.16
2014-15:Q4	15.09	6.53	5.03	6.67	26.43	10.44	4.93	2.22	3.65	6.36	4.62	4.45	1.27	2.31
2015-16:Q1	15.58	6.95	4.82	6.69	25.50	10.37	4.87	2.25	3.66	6.49	4.62	4.51	1.31	2.38
2015-16:Q2	15.46	7.05	4.79	6.75	25.74	10.15	4.88	2.25	3.64	6.52	4.55	4.55	1.31	2.36
2015-16:Q3	15.34	6.69	4.76	6.71	26.54	9.87	4.86	2.24	3.65	6.56	4.51	4.59	1.34	2.35
2015-16:Q4	15.89	6.57	4.60	6.59	26.54	10.00	4.85	2.19	3.54	6.50	4.55	4.56	1.32	2.30
2016-17:Q1	15.52	6.84	4.60	6.51	26.51	10.20	4.83	2.18	3.55	6.56	4.48	4.58	1.34	2.30
2016-17:Q2	15.87	6.92	4.60	6.42	26.66	10.03	4.77	2.13	3.58	6.46	4.49	4.51	1.32	2.22
2016-17:Q3	15.96	6.58	4.61	6.43	27.09	10.00	4.80	2.15	3.54	6.37	4.42	4.53	1.33	2.20
2016-17:Q4	14.88	6.65	4.67	6.56	27.04	10.01	4.93	2.20	3.55	6.59	4.55	4.68	1.42	2.26
Average	15.62	6.33	5.02	6.76	27.91	9.62	4.75	2.14	3.78	6.22	4.22	4.26	1.28	2.08

Source: Database on Indian Economy, RBI.

<https://dbic.rbi.org.in/BOE/OpenDocument/1608101729/OpenDocument/pendoc/openDocument.faces?logonSuccessful=true&shareId=0>

Table XII

Percentage Growth in Bank Credit in Various Districts of Kerala

Year & Quarter	THIRUV ANANT		PATHAN											
	HAPURA M	KOLLA M	ALAPUZ HA	KOTTA YAM	ERNAK ULAM	THRISS UR	PALAK KAD	IDUKKI	TA	AMTHIT	KOZHIC ODE	MALAPP URAM	KANNU R	WAYAN AD
2011-12:Q2	5.20	10.55	7.35	8.81	10.27	34.45	6.32	6.66	6.94	6.80	5.49	8.02	6.20	6.87
2011-12:Q3	5.01	5.19	1.40	3.17	1.47	4.46	4.05	3.32	2.89	3.86	-14.01	3.57	4.38	7.36
2011-12:Q4	11.59	4.95	4.20	8.36	8.21	5.86	7.56	7.21	6.85	7.17	7.78	6.27	6.11	7.88
2012-13:Q1	1.70	8.53	2.99	1.08	-3.78	-2.38	2.39	2.93	2.88	4.51	3.88	1.88	2.47	2.37
2012-13:Q2	5.29	-0.03	6.11	4.65	-0.68	1.53	5.80	6.11	4.48	6.48	5.08	5.98	5.55	4.21
2012-13:Q3	3.72	1.37	3.21	3.97	3.34	-9.42	4.34	4.07	3.20	3.02	4.56	4.84	3.47	3.80
2012-13:Q4	5.03	7.40	7.80	8.01	8.83	7.12	8.69	8.60	6.89	9.92	9.44	7.80	7.74	6.96
2013-14:Q1	-3.33	2.41	-0.04	-1.62	-6.53	-3.41	0.94	0.54	0.24	-1.05	0.37	0.36	0.73	1.31
2013-14:Q2	2.08	6.80	5.01	0.79	2.91	2.30	4.93	5.06	2.82	1.75	6.55	5.33	2.99	3.72
2013-14:Q3	4.12	-0.48	2.67	2.45	-4.97	1.36	2.85	2.89	1.90	5.27	0.56	3.89	4.21	4.24
2013-14:Q4	11.01	5.14	7.25	8.55	7.94	9.25	5.41	8.05	8.98	7.79	14.46	8.07	8.51	7.30
2014-15:Q1	-2.06	5.78	0.73	-0.93	-7.33	-0.29	0.84	1.41	-1.24	1.86	-3.53	0.00	1.78	1.93
2014-15:Q2	1.97	3.72	4.12	3.18	2.29	3.42	2.96	4.96	2.24	3.17	4.15	3.68	3.85	2.87
2014-15:Q3	-0.81	0.14	1.95	2.00	3.98	2.62	3.28	2.11	2.04	3.11	3.34	3.55	3.79	2.55
2014-15:Q4	3.08	5.11	8.65	6.11	11.48	10.31	7.75	5.69	5.19	5.05	11.25	6.50	6.53	15.19
2015-16:Q1	0.77	3.88	-6.34	-2.13	-5.80	-3.03	-3.68	-0.73	-2.03	-0.29	-2.43	-1.08	0.36	0.34
2015-16:Q2	0.88	3.03	1.01	2.46	2.58	-0.54	1.87	1.63	1.05	2.04	-0.03	2.36	1.95	0.91
2015-16:Q3	0.94	-3.47	0.98	1.23	4.87	-1.07	1.29	1.07	1.89	2.40	0.93	2.74	3.64	1.20
2015-16:Q4	10.03	4.32	2.65	4.29	6.24	7.70	6.05	4.15	3.22	5.29	7.28	5.54	4.99	3.93
2016-17:Q1	-2.28	4.25	0.11	-1.08	-0.07	1.99	-0.29	-0.82	0.16	0.95	-1.59	0.52	1.37	0.03
2016-17:Q2	9.41	8.24	7.08	5.41	7.60	5.23	5.51	4.95	8.04	5.35	7.25	5.34	5.42	3.55
2016-17:Q3	0.81	-4.70	0.37	0.52	1.90	0.02	0.88	0.86	-1.00	-1.21	-1.31	0.81	0.81	-0.74
2016-17:Q4	-4.80	3.22	3.50	4.15	1.89	2.14	4.87	4.64	2.62	5.71	5.08	5.30	9.54	4.89
Average	3.63	3.79	3.28	3.60	3.98	4.43	3.71	3.80	3.42	3.79	4.33	3.90	3.54	3.90

Source: Database on Indian Economy, RBI.

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Table XIII**Descriptive Statistics**

Variable	N	Range	Minimum	Maximum	Mean	Deviation	Variance	Skewness	Kurtosis		
	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic	Std. Error	Statistic	Std. Error
TINBFC	23	.48	9.65	10.13	9.83	.129	.017	.339	.481	-.502	.935
RDBr	23	.67	5.24	5.91	5.48	.189	.036	1.252	.481	1.135	.935
SUDBr	23	.53	5.61	6.14	5.87	.166	.028	.069	.481	-1.128	.935
UDBr	23	.50	6.41	6.91	6.66	.144	.021	.178	.481	-.782	.935
RCBr	23	.45	5.07	5.52	5.28	.116	.013	-.055	.481	-.726	.935
SUCBr	23	.42	5.22	5.64	5.43	.124	.015	-.163	.481	-.994	.935
UCBr	23	.21	6.44	6.65	6.51	.062	.004	1.111	.481	.419	.935
RBr	23	.36	5.76	6.12	5.91	.117	.014	.678	.481	-.840	.935
SUBr	23	.38	8.04	8.42	8.25	.118	.014	-.359	.481	-1.004	.935
Ubr	23	.30	7.04	7.34	7.20	.097	.009	-.194	.481	-1.413	.935
TBr	23	.32	8.43	8.75	8.62	.105	.011	-.484	.481	-1.103	.935
RD	23	.69	11.06	11.75	11.39	.200	.040	.170	.481	-.825	.935
SUD	23	.90	13.66	14.56	14.13	.282	.080	-.107	.481	-1.136	.935
UD	23	.76	13.45	14.21	13.86	.235	.055	-.066	.481	-1.243	.935
TD	23	.83	14.29	15.12	14.73	.257	.066	-.124	.481	-1.183	.935
RC	23	.62	10.90	11.52	11.19	.210	.044	.169	.481	-1.607	.935
SUC	23	.80	13.26	14.06	13.69	.241	.058	-.267	.481	-1.013	.935
UC	23	.42	13.52	13.94	13.71	.132	.017	.484	.481	-1.027	.935
TC	23	.59	14.13	14.72	14.44	.176	.031	-.061	.481	-1.032	.935
RDt	22	.65	11.10	11.75	11.40	.191	.036	.197	.491	-.807	.953
RCt	22	.57	10.95	11.52	11.21	.205	.042	.129	.491	-1.654	.953
TINBFCt	22	.48	9.65	10.13	9.82	.128	.016	.440	.491	-.322	.953

Table XIV

Correlations

	Total Income of NBFCs	Rural Branches	Semi Urban Branches	Urban Branches	Total Branches	Rural Deposits	Semi Urban deposits	Urban Deposits	Total Deposits	Rural Credit	Semi Urban Credit	Urban Credit	Total Credit	RDE	SUDE	UDE	RCE	SUCE	UCE
Total Income of NBFCs	1	-.801**	.184	.135	.111	-.338	.330	.315	.309	-.793**	.245	.473*	.297	.136	.343	.361	-.613**	.218	.763**
Rural Branches	-.801**	1	-.015	.032	.074	.358	-.132	-.114	-.113	.909**	-.065	-.280	-.103	-.242	-.136	-.153	.615**	-.035	-.608**
Semi Urban Branches	.184	-.015	1	.964**	.994**	.645**	.986**	.986**	.988**	-.001	.995**	.928**	.986**	.681**	.981**	.970**	.003	.993**	.513*
Urban Branches	.135	.032	.964**	1	.978**	.739**	.948**	.958**	.958**	-.022	.949**	.892**	.942**	.747**	.948**	.903**	-.091	.945**	.391
Total Branches	.111	.074	.994**	.978**	1	.697**	.970**	.974**	.976**	.066	.983**	.901**	.972**	.680**	.966**	.946**	.030	.983**	.440*
Rural Deposits	-.338	.358	.645**	.739**	.697**	1	.560**	.586**	.589**	.280	.594**	.449*	.563**	.819**	.555**	.499*	.120	.598**	-.130
Semi Urban deposits	.330	-.132	.986**	.948**	.970**	.560**	1	.997**	.999**	-.134	.993**	.962**	.992**	.663**	.999**	.988**	-.119	.987**	.602**
Urban Deposits	.315	-.114	.986**	.958**	.974**	.586**	.997**	1	.999**	-.128	.990**	.956**	.988**	.679**	.997**	.987**	-.129	.983**	.578**
Total Deposits	.309	-.113	.988**	.958**	.976**	.589**	.999**	.999**	1	-.122	.993**	.958**	.990**	.681**	.998**	.986**	-.118	.987**	.580**
Rural Credit	-.793**	.909**	-.001	-.022	.066	.280	-.134	-.128	-.122	1	-.053	-.266	-.086	-.266	-.143	-.134	.887**	-.018	-.503*
Semi Urban Credit	.245	-.065	.995**	.949**	.983**	.594**	.993**	.990**	.993**	-.053	1	.952**	.996**	.657**	.988**	.981**	-.041	.999**	.582**
Urban Credit	.473*	-.280	.928**	.892**	.901**	.449*	.962**	.956**	.958**	-.266	.952**	1	.973**	.636**	.960**	.948**	-.205	.946**	.764**
Total Credit	.297	-.103	.986**	.942**	.972**	.563**	.992**	.988**	.990**	-.086	.996**	.973**	1	.648**	.987**	.979**	-.061	.995**	.636**
RDE	.136	-.242	.681**	.747**	.680**	.819**	.663**	.679**	.681**	-.266	.657**	.636**	.648**	1	.660**	.613**	-.250	.644**	.234
SUDE	.343	-.136	.981**	.948**	.966**	.555**	.999**	.997**	.998**	-.143	.988**	.960**	.987**	.660**	1	.986**	-.132	.982**	.597**
UDE	.361	-.153	.970**	.903**	.946**	.499*	.988**	.987**	.986**	-.134	.981**	.948**	.979**	.613**	.986**	1	-.094	.975**	.638**
RCE	-.613**	.615**	.003	-.091	.030	.120	-.119	-.129	-.118	.887**	-.041	-.205	-.061	-.250	-.132	-.094	1	-.009	-.283
SUCE	.218	-.035	.993**	.945**	.983**	.598**	.987**	.983**	.987**	-.018	.999**	.946**	.995**	.644**	.982**	.975**	-.009	1	.577**
UCE	.763**	-.608**	.513*	.391	.440*	-.130	.602**	.578**	.580**	-.503*	.582**	.764**	.636**	.234	.597**	.638**	-.283	.577**	1

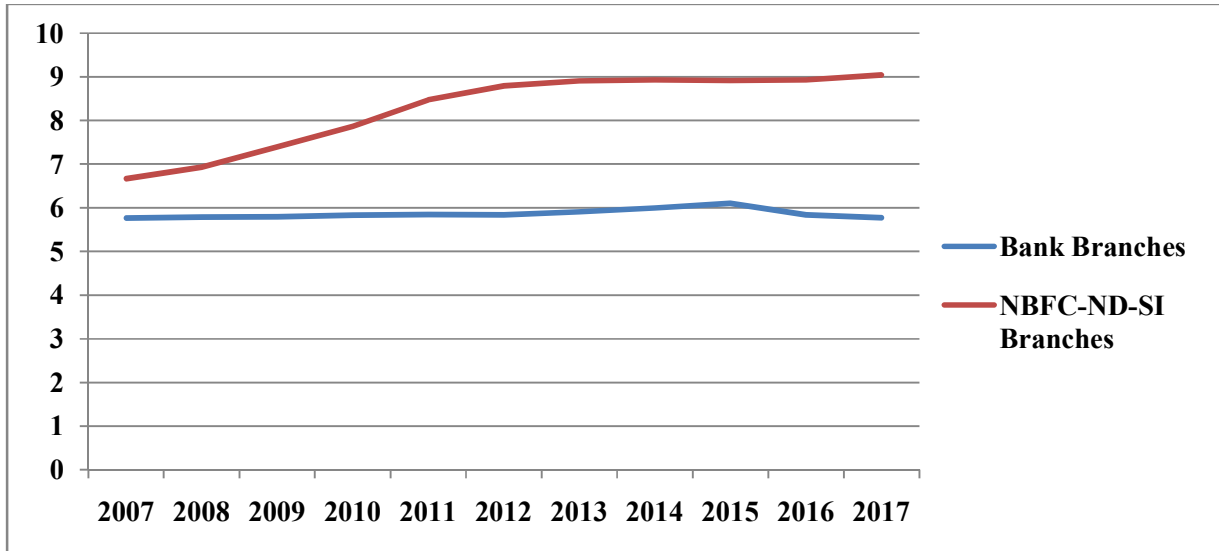
**Correlation is significant at the 0.01 level (2-tailed)

*Correlation is significant at the 0.05 level (2-tailed)

RCE (Rural Bank Credit per branches), UCE (Urban Credit per branches)

Chart I

Bank and Non Bank Branches in Kerala



Source: 1. Statistics on Deposits and Credit of Scheduled Commercial Banks, RBI 2. Annual report of two major NBFCs-ND-SI in Kerala. Note: Figures shows natural logarithm of number of branches.