Dataset A.1. Consider the experiment carried out by Vannman (1991). A batch of wooden boards is dried by a particular chemical process and the object of the experiment is to compare two processes as regards the extent of deformation of boards due to checking. The measure of damage to the board is the checking area $x = \frac{I\overline{d}}{hI_o} \times 100$, where I is the length of the check, \overline{d} is the mean depth of the check, h is the thickness of the board area and I_o is he length of the board. Thus x is the check area measured as percentage of the board area. The boards are dried at the same time under different schedule and under same climate conditions. When drying boards not all of them will get the checks and a typical sample of wood contain several observations with $x_i = 0$ or $x_i > 0$ but relatively small compared to the rest of the checks. These observations will corresponds to instantaneous failures or early failures. Note that the larger the number of instantaneous failures better is the process. Below is the reproduced dataset of schedule 1 of two different Experiments.

Experiment 2, drying schedule 1: The batch contains 37 boards, with 13 instantaneous failures in this Schedule. The other positive observations arranged in increasing order of their magnitude are: 0.08, 0.32, 0.38, 0.46, 0.71, 0.82, 1.15, 1.23, 1.40, 3.00, 3.23, 4.03, 4.20, 5.04, 5.36, 6.12, 6.79, 7.90, 8.27, 8.62, 9.50, 10.15, 10.58, and 17.49.

Experiment 3, drying schedule 1: The batch of 40 boards, with 28 instantaneous failures in this Schedule. The other positive observations arranged in increasing order of their magnitude are: 0.0463741, 0.0894855, 0.4, 0.42517, 0.623441, 0.6491, 0.73346, 1.35851, 1.77112, 1.86047, 2.12125, and 2.12389.

Dataset A.2. The complete failure times in weeks of 50 items as considered by Murthy et al. (2004) are: 0.013, 0.065, 0.111, 0.111, 0.163, 0.309, 0.426, 0.535, 0.684, 0.747,

0.997, 1.28,4 1.304, 1.647, 1.829, 2.336, 2.838, 3.269, 3.977, 3.981, 4.520, 4.789, 4.849, 5.202, 5.291, 5.349, 5.911, 6.018, 6.427, 6.456, 6.572, 7.023, 7.087, 7.291, 7.787, 8.596, 9.388, 10.261, 10.713, 11.658, 13.006, 13.388, 13.842, 17.152, 17.283, 19.418, 23.471, 24.777, 32.795, and 48.105. The authors have used this data for fitting a variety of Weibull distribution.

Dataset A.3. NEFT outward amount in Banks of India

The Reserve Bank of India (RBI) provides data on various aspects of the Indian economy, banking, and finance. The monthly bank-wise data for ECS (Electronic Clearing System), RTGS (Real Time Gross Settlement) and NEFT (National Electronic Funds Transfer) are available at https://rbi.org.in/Scripts/NEFTView.aspx. We consider the data on average outward debits of National Electronic Fund Transfer (NEFT) made in all the banks of India for the month January-2018. Table below shows bank wise average amount of outward debit (in thousand Rs.).

Table A.1. National Electronic Fund Transfer (NEFT) January-2018

	Total outw	ard debits	Average amount	
	No. of	Amount	of outward debits	
Bank name	transactions	(Rs. in	(Rs. in thousand)	
		million)		
ABHYUDAYA CO-OP BANK LTD	80764	4001.16	49.54134	
ABU DHABI COMMERCIAL BANK	2864	1769.34	617.7865	
AHMEDABAD MERCANTILE COOP BANK	13560	1059.10	78.10484	
AIRTEL PAYMENTS BANK LIMITED	311997	19956.49	63.96371	
AKOLA DISTRICT CENTRAL CO-OP BANK	8056	897.32	111.3849	
ALLAHABAD BANK	1591475	110708.52	69.56347	
ALMORA URBAN CO-OPERATIVE BANK LTD	11031	636.18	57.67159	
ANDHRA BANK	1379279	135240.69	98.05173	
ANDHRA PRAGATHI GRAMEENA BANK	43902	3405.39	77.56791	
ANZ Banking Group Limited	32832	20814.46	633.9687	
APNA SAHAKARI BANKLTD	12647	786.81	62.21301	
AU SMALL FINANCE BANK LIMITED	54433	8770.76	161.1295	
AXIS BANK	15037690	1096441.97	72.91293	
Akola Janata Commercial Co-Op Bank	13944	1334.52	95.70543	
B N PARIBAS	377965	182656.40	483.2627	
BANDHAN BANK LIMITED	287159	17127.31	59.64401	
BANK INTERNASIONAL INDONESIA	1603	238.45	148.7496	
BANK OF AMERICA	550331	106838.53	194.135	
BANK OF BAHARIEN AND KUWAIT	17021	3415.40	200.6582	
	ABU DHABI COMMERCIAL BANK AHMEDABAD MERCANTILE COOP BANK AIRTEL PAYMENTS BANK LIMITED AKOLA DISTRICT CENTRAL CO-OP BANK ALLAHABAD BANK ALLAHABAD BANK ALMORA URBAN CO-OPERATIVE BANK LTD ANDHRA BANK ANDHRA PRAGATHI GRAMEENA BANK ANZ Banking Group Limited APNA SAHAKARI BANKLTD AU SMALL FINANCE BANK LIMITED AXIS BANK Akola Janata Commercial Co-Op Bank B N PARIBAS BANDHAN BANK LIMITED BANK INTERNASIONAL INDONESIA BANK OF AMERICA	Bank name Bank name No. of transactions ABHYUDAYA CO-OP BANK LTD ABU DHABI COMMERCIAL BANK AHMEDABAD MERCANTILE COOP BANK AIRTEL PAYMENTS BANK LIMITED AKOLA DISTRICT CENTRAL CO-OP BANK ALLAHABAD BANK ALLAHABAD BANK ALMORA URBAN CO-OPERATIVE BANK LTD ANDHRA BANK ANDHRA PRAGATHI GRAMEENA BANK ANZ Banking Group Limited ANZ Banking Group Limited AU SMALL FINANCE BANK LIMITED AXIS BANK AKOLA DISTRICT CENTRAL CO-OP BANK 1591475 11031 1379279 12647 12647 AU SMALL FINANCE BANK LIMITED 54433 AXIS BANK 15037690 Akola Janata Commercial Co-Op Bank B N PARIBAS BANDHAN BANK LIMITED 287159 BANK INTERNASIONAL INDONESIA BANK OF AMERICA	Bank name Alloulit transactions (Rs. in million) ABHYUDAYA CO-OP BANK LTD 80764 4001.16 ABU DHABI COMMERCIAL BANK 2864 1769.34 AHMEDABAD MERCANTILE COOP BANK 13560 1059.10 AIRTEL PAYMENTS BANK LIMITED 311997 19956.49 AKOLA DISTRICT CENTRAL CO-OP BANK 8056 897.32 ALLAHABAD BANK 1591475 110708.52 ALMORA URBAN CO-OPERATIVE BANK LTD 11031 636.18 ANDHRA BANK 1379279 135240.69 ANZ Banking Group Limited 32832 20814.46 APNA SAHAKARI BANKLTD 12647 786.81 AU SMALL FINANCE BANK LIMITED 54433 8770.76 AXIS BANK 15037690 1096441.97 Akola Janata Commercial Co-Op Bank 13944 1334.52 B N PARIBAS 377965 182656.40 BANDHAN BANK LIMITED 287159 17127.31 BANK INTERNASIONAL INDONESIA 1603 238.45 BANK OF AMERICA 550331 106838.53	

20	BANK OF BARODA	3658751	262370.33	71.71036		
21	BANK OF CEYLON	1422	153.60	108.0172		
22	BANK OF INDIA	2183452	132944.26	60.88719		
23	BANK OF MAHARASHTRA	1093672	81931.87	74.91448		
24	BANK OF NOVA SCOTIA	912	1062.00	1164.473		
25	BANK OF TOKYO AND MITSUBISHI	53894	21680.10	402.273		
26	BARCLAYS BANK	22314	9024.83	404.4469		
27	BASSEIN CATHOLIC CO-OP BANK LTD	27100	2196.38	81.04715		
28	BHARAT CO-OP BANK LTD	79451	6614.07	83.24711		
29	CANARA BANK	2637492	275030.80	104.2774		
30	CAPITAL LOCAL AREA BANK LTD	18351	1358.46	74.02658		
31	CATHOLIC SYRIAN BANK LTD.	112412	72.81921			
32	CENTRAL BANK OF INDIA	2154043				
33	CITI BANK	6607829	995443.61	150.6461		
34	CITIZEN CREDIT COOPERATIVE BANK LTD	9587	631.74	65.89525		
35	CITY UNION BANK LTD	840504	42053.87	50.03411		
36	CORPORATION BANK	1974762	110678.27	56.04638		
37	COSMOS COOPERATIVE BANK	111398	13647.36	122.5099		
38	CREDIT AGRICOLE CORP N INVSMNT BANK	6635	2059.24	310.3607		
39	CREDIT SUISSE AG	58	2332.44	40214.45		
40	CTBC BANK CO LTD	910	649.47	713.7041		
41	DCB BANK LIMITED	491015	19463.55	39.63942		
42	DELHI STATE CO OP BANK LTD	2210	229.28	103.7463		
43	DENA BANK	585896	52462.11	89.54167		
44	DEOGIRI NAGARI SAHAKARI BANK LTD	4377	814.02	185.9775		
45	DEUSTCHE BANK	2790250	306236.37	109.7523		
46	DEVELOPMENT BANK OF SINGAPORE	430466	90098.63	209.3049		
47	DHANLAXMI BANK LTD	144918	6314.97	43.57617		
48	DICGC	127	6.62	52.14968		
49	DOHA BANK QSC	25917	3233.52	124.7644		
50	DOMBIVLI NAGRIK SAHAKARI BANK	16211	2435.36	150.2289		
51	EMIRATES NBD BANK PJSC	56	825.60	14742.78		
52	EQUITAS SMALL FINANCE BANK LIMITED	54158	6625.47	122.3359		
53	ESAF SMALL FINANCE BANK LTD	3405	897.01	263.4392		
54	EXPORT IMPORT BANK OF INDIA	0.00	0.00	0.00		
55	FEDERAL BANK	1827605	120563.85	65.96822		
56	FINCARE SMALL FINANCE BANK LTD	1125	55.36	49.21307		
57	FINO PAYMENTS BANK LIMITED	154879	939.99	6.069173		
58	FIRSTRAND BANK	80	389.14	4864.29		
59	GOPINATH PATIL PARSIK JAN SAHA BANK	24892	2208.42	88.72014		
60	GREATER BOMBAY CO-OP BANK	9211	611.22	66.35751		
61	HDFC BANK	25312998	2388078.44	94.34198		
62	HIMACHAL PRADESH STATE COOPERATIVE	49280	2790.66	56.62856		
63	HSBC BANK	1650047	367828.53	222.92		
64	ICICI BANK LTD	14091424	1075046.79	76.29086		
65	IDBI BANK	4678204	353588.15	75.58203		
66	IDFC BANK LIMITED	232691	55188.80	237.1763		
67	IDUKKI DISTRICT COOPERATIVE BANK LT	4541	620.94	136.7404		
68	INDIAN BANK	1197880	98094.06	81.88972		
69	INDIAN OVERSEAS BANK	1523030	117127.01	76.90394		
70	INDUSIND BANK	2762835	261954.59	94.81369		
71	INDUSTRIAL AND COM BANK OF CHINA LT	333	201734.37	6269.793		
72	INDUSTRIAL BANK OF KOREA	1036	111.38	107.5125		
73	JALGAON JANATA SAHKARI BANK LTD	9885	532.22	53.84155		
13	JILONON JIMMIN DAMINAM DAMIN LID	7005	334.44	33.07133		

74	JALGAON PEOPLES COOP BANK LTD	11714	2305.74	196.8365
75	JAMMU AND KASHMIR BANK LTD	394027	25014.21	63.48349
76	JANAKALYAN SAHAKARI BANK LTD	11380	831.76	73.08998
77	JANATA SAHAKARI BANK LTD	51115	4172.10	81.6218
78	JANSEVA SAHAKARI BANK BORIVILI LTD	3548	856.62	241.4373
79	JANSEVA SAHAKARI BANK PUNE	8209	353.72	43.08902
80	JP MORGAN BANK	342579	48771.68	142.3662
81	KALLAPPANNA AWADE IJSB LTD	12809	763.19	59.58198
82	KALUPUR COMM COOPERATIVE BANK	31647	3507.03	110.8173 75.00181
83	KALYAN JANATA SAHAKARI BANK	10983	10983 823.74	
84	KARAD URBAN CO-OP BANK LTD	17423	1434.94	82.35912
85	KARNATAKA BANK LTD	427743	31228.24	73.00703
86	KARNATAKA STATE COOP APEX BANK	45711	1406.16	30.76193
87	KARNATAKA VIKAS GRAMEEN BANK	62790	17562.97	279.7096
88	KARUR VYSYA BANK	1006602	90958.88	90.3623
89	KOREA EXCHANGE BANK	387	880.53	2275.267
90	KOTAK MAHINDRA BANK LTD	6308411	536674.30	85.07282
91	KURMANCHAL NAGAR SAHAKARI BANK	13229	963.36	72.82179
92	Kerala Gramin Bank	68140	6746.30	99.00646
93	Kozhikode District Coop Bank Ltd.	3991	218.32	54.70219
94	LAKSHMI VILAS BANK LTD	332804	20597.41	61.89051
95	MAHANAGAR COOP BANK LTD	13027	1128.70	86.64349
96	MAHARASHTRA GRAMIN BANK	70224	3582.89	51.02094
97	MAHARASHTRA STATE CO-OP BANK LTD	4134	529.34	128.0447
98	MASHREQ BANK	264	117.61	445.4901
99	MEHSANA URBAN COOPERATIVE BANK LTD	24225	3369.81	139.1048
100	MIZUHO CORPORATE BANK LTD	21785	20911.21	959.8901
101	MUMBAI DISTRICT CENTRAL CO-OP. BANK	15004	1573.32	104.8598
	MUNICIPAL COOP BANK LTD	1944	93.08	47.87995
	NAGAR URBAN COOP BANK LTD	11558	2160.69	186.9431
	NAGPUR NAGRIK SAHAKARI BANK LTD	11135	794.16	71.3209
	NAINITAL BANK LTD	35637	2909.59	81.64519
	NATIONAL AUSTRALIA BANK	1	0.00	1.476
107	NATIONAL BANK OF ABU DHABI PJSC	14	24.30	1735.559
	NEW INDIA CO-OP BANK	14657	940.96	64.19836
	NKGSB BANK	32830	3071.51	93.55795
	NORTH EAST SMALL FINANCE BANK LTD	14	0.07	5.164071
	NUTAN NAGARIK SAHAKARI BANK LTD	15730	858.08	54.55043
	ORIENTAL BANK OF COMMERCE		118560.59	103.6643
	PRATHAMA BANK	31326	5917.93	188.9143
	PRIME CO-OP BANK LTD. SURAT	13521	953.59	70.52679
	PUNJAB AND MAHARASHTRA CO BANK	49710	2730.16	54.92181
	PUNJAB AND SIND BANK	236902	22329.11	94.25461
	PUNJAB NATIONAL BANK	3812063	310685.59	81.50064
	Paytm Payments Bank Limited	5758	33691.60	5851.268
	Pragathi Krishna Gramin Bank	62644	14510.25	231.6304
	QATAR NATIONAL BANK SAQ	14	502.90	35921.71
121		2059	863.01	419.1384
	RAJGURUNAGAR SAHAKARI BANK LTD	9291	523.81	56.37837
	RAJKOT NAGARIK SAHAKARI BANK LTD	13087	1028.61	78.59751
	RBI,PAD	7997815	787001.94	98.40212
	RBL BANK LTD	1877894	58358.00	31.0763
	SAMARTH SAHAKARI BANK LTD SOLAPUR	3262	159.02	48.74958
	SARASWAT CO-OP BANK LTD.	256764	21584.35	84.06298
14/	DAMADWAI CO-OL DAMA LID.	43070 4	41304.33	04.00270

120	CDED DANIZ	140	622.25	4250.019
128	SBER BANK	149	633.25	4250.018
129	SEVA VIKAS COOPERATIVE BANK LTD SHAMRAO VITHAL CO-OP BANK LTD	7758	355.80	45.86246
130		168142	13584.14	80.7897
131	SHIKSHAK SAHAKARI BANK LTD	4183	473.38	113.1677
132	SHINHAN BANK	20120	8724.08	433.6025
133	SHIVALIK MERCANTILE CO-OP BANK	7467	516.29	69.14225
134	SHRI CHHATRAPATI SHAHU URBAN COOP B	13315	731.15	54.912
135	SOCIETE GENERALE	7319	16999.52	2322.656
136	SOLAPUR JANATA SAHAKARI BANK LTD	9089	1085.08	119.3835
137	SOUTH INDIAN BANK	580530	48434.29	83.43116
138	STANDARD CHARTERED BANK	3340728	481768.12	144.2105
139	STATE BANK OF INDIA	26176565	2334713.34	89.19097
140	STATE BANK OF MAURITIUS	1115	1408.10	1262.871
141	SUMITOMO MITSUI BANKING CORPORATION	7565	5549.90	733.629
	SURAT DISTRICT COOPERATIVE BANK Ltd	7523	970.38	128.9886
143	SURAT NATIONAL CO-OP BANK LTD	5103	474.97	93.07699
144	SURAT PEOPLES COOPERATIVE BANK	21609	1295.76	59.96386
145	SURYODAY SMALL FINANCE BANK LTD	48186	2259.15	46.88388
146	SUTEX COOP BANK	13118	546.60	41.66816
147	SYNDICATE BANK	1342636	155229.83	115.6157
148	Sindhudurg DCCB LTD	4612	209.44	45.4129
149	TAMIL NADU STATE APEX COOP BANK	110938	2590.21	23.34826
150	TAMILNADU MERCANTILE BANK	403195	35136.12	87.14423
151	TELANGANA STATE COOP APEX BANK LTD	29599	1561.94	52.77
152	TEXTILE TRADERS COOP BANK LTD	1217	92.73	76.19239
153	THANE BHARAT SAHAKARI BANK LTD	7996	777.59	97.24726
154	THANE DISTRICT CENTRAL COOP BANK LT	10966	808.28	73.70819
155	THANE JANATA SAHAKARI BANK LTD	80471	7048.90	87.59552
156	THE A. P. MAHESH URBAN CO-OP BANK L	15859	2800.22	176.5698
157	THE AP STATE COOP BANK LTD	25472	2361.15	92.69588
158	THE BARAMATI SAHAKARI BANK LTD	3042	572.33	188.1431
159	THE GUJARAT STATE CO-OP BANK LTD	61538	5040.78	81.91324
160	THE HARYANA STATE CO-OP APEX BANK	736	33.65	45.71545
161	THE HASTI CO-OP. BANK LTD.	3977	225.16	56.61667
162	THE KANGRA CENTRAL COOP BANK LTD	31485	1063.16	33.76726
163	THE KANGRA CO OPERATIVE BANK LTD	3678	563.24	153.1377
164	THE NASIK MERCHANTS CO-OP BANK LTD.	14573	814.90	55.91845
165	THE NAVNIRMAN COOPERATIVE BANK LTD	3705	283.69	76.56893
166	THE PANDHARPUR URBAN CO-OP BANK	2906	303.22	104.3415
167	THE RAJASTHAN ST. COOP. BANK LTD	96446	8946.38	92.76054
168	THE ROYAL BANK OF SCOTLAND PLC	820	56.40	68.78357
169	THE SAHEBRAO DESHMUKH COOP BANK LTD	3623	424.29	117.1093
170	THE VARACHHA CO-OP. BANK LTD	18244	1432.21	78.50332
171	THE VISHWESHWAR SAHAKARI BANK LTD	9171	848.09	92.47537
172	THE ZOROASTRIAN CO-OP BANK LTD	3528	382.89	108.5282
	TUMKUR GRAIN MERCHANTS COOP BANK	6362	423.22	66.52257
174	The Gadchiroli Dist Co-Op Bank	6033	368.48	61.0782
	UCO BANK	665341	60269.04	90.58369
	UJJIVAN SMALL FINANCE BANK LTD.	36977	1644.31	44.46849
	UNION BANK OF INDIA	2212976	219336.99	99.11404
	UNITED BANK OF INDIA	938570	54258.21	57.80945
	UNITED OVERSEAS BANK LTD	106	8.68	81.92931
	UTKARSH SMALL FINANCE BANK LTD	13032	466.89	35.82614
181	VASAI VIKAS SAHAKARI BANK LTD	4421	351.92	79.60087
101	YADAI YIKAD DAHAKAKI DANK LID	+4 41	331.74	13.0000/

182	VIJAYA BANK	645119	71270.58	110.4766
183	WEST BENGAL STATE COOPERATIVE BANK	30310	1058.53	34.92342
184	WESTPAC BANKING CORPORATION	2483	2916.65	1174.648
185	WOORI BANK	4886	3534.41	723.3741
186	YES BANK	8458240	412435.10	48.76134
187	ZILA SAHKARI BANK LTD GHAZIABAD	1416	937.10	661.7939

Dataset A.4. The data on monthly rainfall (in mm) of Rayagada district (Odisha) – 2016 considered from India meteorological department (Ministry of Earth Sciences) report no. ESSO/IMD/HS/R.F. REPORT/01(2017)/23 are: 0.2, 7.5, 26.1, 21.6, 65.5, 179.5, 299.6, 264.8, 177.9, 95.7, 0.2, and 0 (see, http://hydro.imd.gov.in/hydrometweb).

Dataset A.5. The data on concentration of SO₂ in air for industrial area of Amritsar from air quality monitoring station of Golden Temple, Amritsar-Central Pollution Control Board (CPCB). The continuous ambient air quality data available on http://www.cpcb.gov.in. The 30 days data of SO₂ concentration (μ_g/m^3) collected from 1 April 2017 to 30 April 2017 at 5:00 A.M. are: 5.28, 0.91, 0, 3.27, 4.44, 4, 4, 5.6, 3.92, 0, 11.52, 0.07, 13.31, 0, 3.71, 6.56, 43.28, 9.27, 2.7, 20.59, 4, 4, 4, 1.95, 4.52, 6.66, 4.1, 3.45, 25.99, and 5.39.

Dataset A.6. The National Family Health Survey (NFHS) is a large-scale, multi-round survey conducted in a representative sample of households throughout India. The First National Family Health Survey (NFHS-1) was conducted in 1992-93, the Second National Family Health Survey (NFHS-2) was conducted in 1998-99 and the Third National Family Health Survey (NFHS-3) was carried out in 2005-06. The survey is based on a sample of households that is representative at the national and state levels. The NFHS-3 fieldwork was conducted by 18 research organizations between December 2005 and August 2006, interviewed women at age 15-49. We consider the data on child's age at death from the woman's questionnaire of NFHS-3. For a comprehensive data, one may visit http://www.measuredhs.com. For Gujarat state, there are 15 stillbirths (the death of a baby before or during the birth after 28 weeks of gestation) considered as observation 0, and other observations of age at death in days as 1, 1, 1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 2, 2, 3,

3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 4, 4, 5, 5, 7, 8, 8, 10, 12, 13, 20, 22, 30, 30, 30, 31, 31, 60, 62, 62, 62, 90, 90, 90, 92, 93, 150, 182, 213, 242, 272, 273, 300, 303, 333, 334, 335, 356, 360, 365, 366, 450, 730, 731, 732, 732, and 1462.

Dataset A.7. The tumor size is one of the most important factors in making a clinical and pathological assessment of breast cancer. The cBioPortal software for cancer genomics and was originally developed at Memorial Sloan Kettering Cancer Center. The cBioPortal software is now available under an open source license via GifHub. We use this portal for breast tumor size data from cancer genomics studies. For comprehensive data, one may visit http://www.cbioportal.org/study?id=brca_metabric#clinical. We followed up tumor size of 509 samples from 509 female breast cancer patients with histologically confirmed invasive ductal carcinoma breast cancer of cohort 1. The largest tumor diameter was chosen as the sizing reference in each case. In the data set, lesions are absent for six patients, whereas for 22 patients lesions present but not followed by CT scan or MRI are considered as non-measurable and remaining 481 samples tumor size in mm with corresponding frequency in brackets are: 11(9), 12(12), 13(11), 14(15), 15(11), 16(20), 17(18), 19(17), 20(33), 21(24), 22(21), 23(17), 25(28), 26(18), 27(11), 28(15),29(13), 30(25), 31(7), 32(6), 33(6), 34(5), 35(11), 36(3), 37(3), 38(4), 39(5), 40(12), 42(3), 43, 44(2), 45(6), 46(2), 47(5), 48, 50(13), 52(2), 53(2), 55(4), 57, 60(6), 62, 65(4), 67, 70(3), 80(2), 84, 90, 100(3), 150,160, and 180.

Dataset A.8. Table given below is the loss ratios (yearly data) for earthquake insurance in California from 1971 through 1993. The data are taken from Jaffe and Russell (1996) and also used by Embrechts et al. (1999) for their study.

Table A.2. California earthquake insurance data

Year	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Loss ratios	17.4	0.0	0.6	3.4	0.0	0.0	0.7	1.5	2.2	9.2	0.9	0.0
Year	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	
Loss ratios	2.9	5.0	1.3	9.3	22.8	11.5	129.8	47.0	17.2	12.8	3.2	

Dataset A.9. Reddy et al. (2017) have analyzed and quantified forest burnt area in India using AWiFS data for the year 2014. The burnt area map from AWiFS data involves Forest type map of 2013 at 56 m resolution prepared as part of the national carbon project. India has a geographical area of about 3,287,263 sq. km. It comprises 29 states and 7 union territories. The country has 21% of the geographical area under forest cover. Forest fires occur in India mainly between January and June. They are more frequent between February and May in different biogeographic zones of India. State/Union Territory-wise analysis of the percentage of forest burnt area (area in sq. km) is available in Reddy (2014, page 1531). We consider State/Union Territory burnt area from February to May 2014. There are six State/Union Territory (Delhi, Andaman and Nicobar, Chandigarh, Daman and Diu, Lakshadweep and Pondicherry) having burnt area zero, five State/Union Territory (Goa(0.04), Jammu and Kashmir (0.11), Dadra and Nagar Haveli (0.23), Punjab (0.85) and Himachal Pradesh (0.91)) having percentage burnt area less than 1 sq. Km. and the remaining 25 State/Union Territory burnt area in sq. Km. are: 6611.86, 102.70, 941.11, 1773.22, 4606.69, 487.81, 1.84, 2587.40, 1920.35, 82.01, 3342.66, 5066.66, 1974.23, 457.50, 421.03, 975.79, 8186.46, 364.17, 2.50, 4275.64, 2955.23, 739.00, 459.07, 42.01, and 386.37.

Dataset A.10. This data is about the amount of snowfall in all 50 states of US. According to the National Climatic Data Center, the data were populated considering the average snowfall for almost three decades from 1981 to 2010, available at https://thetoolboss.com/average-snowfall-us-states. The average amount snowfall per year (in inches) for 50 states of US are: 5.2, 0.5, 1.6, 74.5, 0.3, 0.0, 19.1, 40.5, 20.2, 0.0, 0.7, 0.0, 19.2, 24.6, 25.9, 34.9, 14.7, 12.5, 0.0, 61.8, 20.2, 43.8, 51.1, 54, 0.9, 17, 38.1, 25.9, 21.8, 60.8, 16.5, 9.6, 123.8, 7.6, 51.2, 27.5, 7.8,3, 28.2, 33.8, 43.9, 6.3, 1.5, 56.2, 81.2, 10.3, 5.0, 62.0, 50.9, and 91.4.