

Tabel 1 :

Data dibuat melalui hubungan

$$Y_i = [\sin(2\pi X_i^3)]^3 + \varepsilon_i$$

dimana X_i adalah berdistribusi identik Uniform pada $[0,1]$ dan kesalahan

ε_i adalah berdistribusi identik Normal dengan mean 0 dan variansi $\sigma^2 = 1$.

(diambil dari buku 'Smoothing techniques with implementation in S' oleh Hardle, Springer-verlag, Ney York).

i	X_i	Y_i	i	X_i	Y_i
1	0.0048	-0.0338	2	0.0085	0.1653
3	0.0115	0.0246	4	0.0170	0.1781
5	0.0264	-0.3461	6	0.0294	-0.7558
7	0.0302	0.3548	8	0.0319	0.0406
9	0.0339	0.1052	10	0.0340	0.1218
11	0.0350	-0.1357	12	0.0422	-0.0321
13	0.0438	0.0869	14	0.0476	-0.5022
15	0.0567	-0.2257	16	0.0683	-0.2820
17	0.0737	0.2981	18	0.0745	-0.0034
19	0.0787	-0.7478	20	0.0794	-0.3247
21	0.0823	-0.1749	22	0.0821	0.1134
23	0.0905	0.5562	24	0.0913	-0.3100
25	0.0985	-0.3099	26	0.1002	-0.2673
27	0.1044	0.2724	28	0.1081	-0.3172
29	0.1155	0.3783	30	0.1221	-0.0460
31	0.1241	0.1530	32	0.1276	0.2482
33	0.1283	-0.4851	34	0.1323	-0.1233
35	0.1359	-0.4943	36	0.1392	-0.3817
37	0.1445	-0.3337	38	0.1545	-0.1339

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39	0.1627	0.2748	40	0.1677	0.4040
41	0.1729	-0.5876	42	0.1751	-0.0107
43	0.1760	-0.1221	44	0.1781	0.2774
45	0.1874	0.0706	46	0.1933	0.5247
47	0.1946	-0.0772	48	0.2026	0.3431
49	0.2020	0.0262	50	0.2041	-0.3420
51	0.2064	0.3578	52	0.2094	-0.0152
53	0.2155	-0.8873	54	0.2281	0.3099
55	0.2307	0.0679	56	0.2363	0.3396
57	0.2367	0.3153	58	0.2424	0.0447
59	0.2449	0.1054	60	0.2466	0.1153
61	0.2471	-0.4192	62	0.2522	0.5095
63	0.2625	-0.2397	64	0.2648	0.0584
65	0.2660	-0.1619	66	0.2675	0.1782
67	0.2702	0.2160	68	0.2757	-0.1188
69	0.2783	0.1132	70	0.2799	0.2409
71	0.2803	-0.3184	72	0.2818	0.1964
73	0.2886	0.0324	74	0.2975	0.1157
75	0.2973	-0.3905	76	0.2989	-0.2430
77	0.3029	-0.2518	78	0.3057	-0.2350
79	0.3072	-0.5152	80	0.3174	-0.3485
81	0.3202	-0.6031	82	0.3249	0.0182
83	0.3258	0.3087	84	0.3308	-0.1147
85	0.3362	-0.2660	86	0.3360	0.0063
87	0.3412	-0.2378	88	0.3581	-0.4265
89	0.3613	-0.3158	90	0.3637	-0.0293
91	0.3659	0.0219	92	0.3661	0.1779
93	0.3698	-0.3062	94	0.3729	-0.5436
95	0.3761	0.2955	96	0.3794	0.0162
97	0.3831	-0.1802	98	0.3911	0.0663
99	0.3950	-0.5307	100	0.3973	-0.4286
101	0.3990	-0.2261	102	0.4022	0.0885
103	0.4025	-0.0272	104	0.4047	-0.1151
105	0.4079	-0.3161	106	0.4121	0.0018
107	0.4243	0.1482	108	0.4256	0.0470
109	0.4288	-0.0514	110	0.4284	-0.5026
111	0.4407	0.0534	112	0.4470	0.1841
113	0.4569	0.5655	114	0.4608	0.2933
115	0.4652	-0.2126	116	0.4693	0.2161
117	0.4706	0.0375	118	0.4835	0.5253
119	0.4845	0.5789	120	0.5028	-0.0204
121	0.5032	0.3670	122	0.5050	0.6780
123	0.5073	0.3652	124	0.5114	0.1327
125	0.5149	0.7265	126	0.5152	0.3677

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127	0.5228	0.3191	128	0.5252	0.7240
129	0.5302	0.2290	130	0.5326	0.5279
131	0.5334	-0.2520	132	0.5370	0.9438
133	0.5411	0.5713	134	0.5434	0.6463
135	0.5454	0.5790	136	0.5509	0.8334
137	0.5533	0.7302	138	0.5545	0.5654
139	0.5578	0.6788	140	0.5651	0.8594
141	0.5661	0.5129	142	0.5706	0.8231
143	0.5746	1.2506	144	0.5759	0.5716
145	0.5790	0.7851	146	0.5833	0.9613
147	0.5843	1.7133	148	0.5884	0.9176
149	0.5987	0.9854	150	0.6042	0.8078
151	0.6057	1.4615	125	0.6068	0.4984
153	0.6126	1.2337	154	0.6149	1.3186
155	0.6166	1.0639	156	0.6209	0.9208
157	0.6207	1.6082	158	0.6215	0.7264
159	0.6269	0.7785	160	0.6315	0.9216
161	0.6320	1.1145	162	0.6408	0.9432
163	0.6415	0.7897	164	0.6421	0.6644
165	0.6526	1.2770	166	0.6551	1.1115
167	0.6592	1.2631	168	0.6665	0.8758
169	0.6680	0.7850	170	0.6763	0.6250
171	0.6820	0.9708	172	0.6853	0.5103
173	0.6855	0.0847	174	0.6893	1.4361
175	0.6912	0.9662	176	0.6935	0.1672
177	0.6957	1.2438	178	0.7005	0.9202
179	0.7089	0.7326	180	0.7155	0.4778
181	0.7197	-0.0666	182	0.7286	0.7913
183	0.7287	0.8954	184	0.7404	0.8218
185	0.7481	0.1020	186	0.7509	0.5412
187	0.7510	0.1226	188	0.7614	-0.3310
189	0.7715	-0.3861	190	0.7743	0.0690
191	0.7814	0.0781	192	0.7826	-0.4173
193	0.7839	-0.4989	194	0.7842	0.0725
195	0.7883	0.0899	196	0.7932	0.1328
197	0.7986	0.0193	198	0.7987	0.1028
199	0.7998	-0.1636	200	0.8006	-0.2891
201	0.8046	-0.1298	202	0.8040	-0.4481
203	0.8107	0.0473	204	0.8253	-0.0893
205	0.8260	-0.0073	206	0.8311	0.2942
207	0.8343	0.1293	208	0.8354	0.6333
209	0.8416	-0.3830	210	0.8441	0.2036

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211	0.8490	-0.1411	212	0.8579	-0.1571
213	0.8599	-0.6791	214	0.8617	-0.1759
215	0.8779	-0.5771	216	0.8781	-0.7150
217	0.8885	-0.7699	218	0.8903	-1.1132
219	0.8912	-0.5134	220	0.8921	-0.7434
221	0.8939	-0.9769	222	0.8947	-0.8994
223	0.8957	-0.8839	224	0.8984	-1.0315
225	0.9010	-0.7367	226	0.9050	-0.9453
227	0.9089	-1.1778	228	0.9102	-0.9553
229	0.9127	-1.2653	230	0.9128	-1.3374
231	0.9258	-0.9015	232	0.9266	-0.4505
233	0.9261	-0.6457	234	0.9273	-0.8742
235	0.9308	-0.2599	236	0.9319	-0.4538
237	0.9379	-1.0850	238	0.9394	-0.6159
239	0.9420	-0.3759	240	0.9507	-0.4732
241	0.9633	-0.8473	242	0.9677	-0.0284
243	0.9758	-0.7859	244	0.9774	-0.6670
245	0.9786	-0.0265	246	0.9780	-0.1319
247	0.9809	0.0128	248	0.9829	-0.6911
249	0.9825	0.2091	250	0.9836	0.0791
251	0.9855	0.7686	252	0.9879	0.2407
253	0.9889	-0.3560	254	0.9922	0.1755
255	0.9962	-0.0328	256	0.9975	0.0124

Tabel 2 :

Data berisi dua variabel. X_i adalah waktu putaran (dalam menit) dari Air Terjun Panas Old Faithful di Taman Nasional Yellowstone. Harga observasi Y_i adalah waktu tunggu (dalam menit) pada pemunculan berikutnya. Data telah dianalisa oleh Wesiberg (1980) dan Silverman (1986). (diambil dari buku 'Smoothing techniques with implementation in S' oleh Hardle, Springer-verlag, Ney York).

i	X_i	Y_i	i	X_i	Y_i	i	X_i	Y_i	i	X_i	Y_i
1	3.600	79	2	1.800	54	3	3.333	74	4	3.333	74
5	3.333	74	6	2.283	62	7	4.533	85	8	2.883	55
9	4.700	88	10	3.600	85	11	1.950	51	12	4.350	85
13	1.833	54	14	3.917	84	15	4.200	78	16	1.750	47
17	4.700	83	18	2.167	52	19	1.750	62	20	4.800	84
21	1.600	52	22	4.250	79	23	1.800	51	24	1.750	47
25	3.450	78	26	3.067	69	27	4.533	74	28	3.600	83
29	1.967	55	30	4.083	76	31	3.850	78	32	4.433	79
33	4.300	73	34	4.467	77	35	3.367	66	36	4.033	80
37	3.833	74	38	2.017	52	39	1.867	48	40	4.833	80
41	1.833	59	42	4.783	90	43	4.350	80	44	1.883	58
45	4.567	84	46	1.750	58	47	4.533	73	48	3.317	83
49	3.833	64	50	2.100	53	51	4.633	82	52	2.000	59
53	4.800	75	54	4.716	90	55	1.833	54	56	4.833	80
57	1.733	54	58	4.883	83	59	3.717	71	60	1.667	64
61	4.567	77	62	4.317	81	63	2.233	59	64	4.500	84
65	1.750	48	66	4.800	82	67	1.817	60	68	4.400	92
69	4.167	78	70	4.700	78	71	2.067	65	72	4.700	73
73	4.033	82	74	1.967	56	75	4.500	79	76	4.000	71
77	1.983	62	78	5.067	76	79	2.017	60	80	4.567	78
81	3.883	76	82	3.600	83	83	4.133	75	84	4.333	82
85	4.100	70	86	2.633	65	87	4.067	73	88	4.933	88
89	3.950	76	90	4.517	80	91	2.167	48	92	4.000	86
93	2.200	60	94	4.333	90	95	1.867	50	96	4.817	78
97	1.833	63	98	4.300	72	99	4.667	84	100	3.750	75
101	1.867	51	102	4.900	82	103	2.483	62	104	4.367	88
101	2.100	49	102	4.500	83	103	4.050	81	104	1.867	47
105	4.700	84	106	1.783	52	107	4.850	86	108	3.683	81
109	4.733	75	110	2.300	59	111	4.900	89	112	4.417	79
113	1.700	59	114	4.633	81	115	2.317	50	116	4.600	85
117	1.817	59	118	4.417	87	119	2.617	53	120	4.067	69
121	4.250	77	122	1.967	56	123	4.600	88	124	3.767	81
125	1.917	45	126	4.500	82	127	2.267	55	128	4.650	90
129	1.867	45	130	4.167	83	131	2.800	56	132	4.333	89

Tables

i	X_i	Y_i	i	X_i	Y_i	i	X_i	Y_i	i	X_i	Y_i
133	1.833	46	134	4.383	82	135	1.883	51	136	4.933	86
137	2.033	53	138	3.733	79	139	4.233	81	140	2.233	60
141	4.533	82	142	4.817	77	143	4.333	76	144	1.983	59
145	4.633	80	146	2.017	49	147	5.100	96	148	1.800	53
149	5.033	77	150	4.000	77	151	2.400	65	152	4.600	81
153	3.567	71	154	4.000	70	155	4.500	81	156	4.083	93
157	1.800	53	158	3.967	89	159	2.200	45	160	4.150	86
161	2.000	58	162	3.833	78	163	3.500	66	164	4.583	76
165	2.367	63	166	5.000	88	167	1.933	52	168	4.617	93
169	1.917	49	170	2.083	57	171	4.583	77	172	3.333	68
173	4.167	81	174	4.333	81	175	4.500	73	176	2.417	50
177	4.000	85	178	4.167	74	179	1.883	55	180	4.583	77
181	4.250	83	182	3.767	83	183	2.033	51	184	4.433	78
185	4.083	84	186	1.833	46	187	4.417	83	188	2.183	55
189	4.800	81	190	1.833	57	191	4.800	76	192	4.100	84
193	3.966	77	194	4.233	81	195	3.500	87	196	4.366	77
197	2.250	51	198	4.667	78	199	2.100	60	200	4.350	82
201	4.133	91	202	1.867	53	203	4.600	78	204	1.783	46
205	4.367	77	206	3.850	84	207	1.933	49	208	4.500	83
209	2.383	71	210	4.700	80	211	1.867	49	212	3.833	75
213	3.417	64	214	4.233	76	215	2.400	53	216	4.800	94
217	2.000	55	218	4.150	76	219	1.867	50	220	4.267	82
221	1.750	54	222	4.483	75	223	4.000	78	224	4.117	79
225	4.083	78	226	4.267	78	227	3.917	70	228	4.550	79
229	4.083	70	230	2.417	54	231	4.183	86	232	2.217	50
233	4.450	90	234	1.883	54	235	1.850	54	236	4.283	77
237	3.950	79	238	2.333	64	239	4.150	75	240	2.350	47
241	4.933	86	242	2.900	63	243	4.583	85	244	3.833	82
245	2.083	57	246	4.367	82	247	2.133	67	248	4.350	74
249	2.200	54	250	4.450	83	251	3.567	73	252	4.500	73
253	4.150	88	254	3.817	80	255	3.917	71	256	4.450	83
257	2.000	56	258	4.283	79	259	4.767	78	260	4.533	84
261	1.850	58	262	4.250	83	263	1.983	43	264	2.250	60
265	4.750	75	266	4.117	81	267	2.150	46	268	4.417	90
269	1.817	46	270	4.467	74						