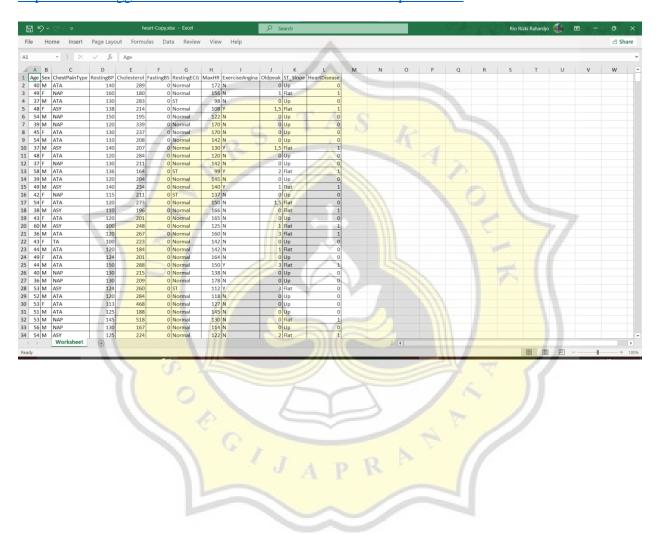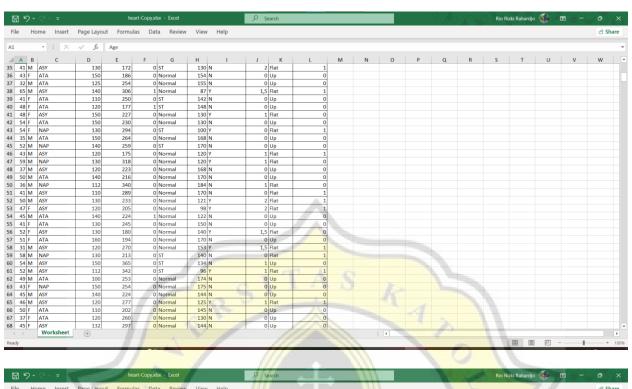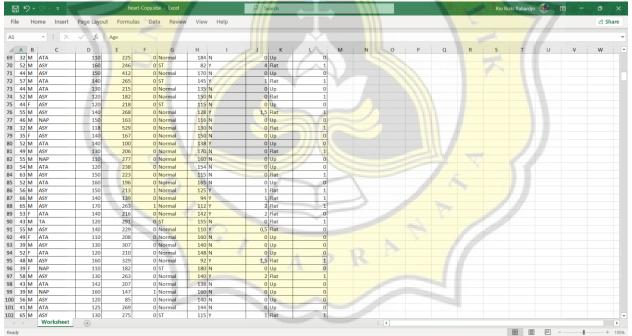# APPENDIX

Sample of Dataset:

This is the 136 of 918 samples of heart disease dataset that can be fully accessed on:

https://www.kaggle.com/datasets/fedesoriano/heart-failure-prediction

Age	Sex	ChestPainType	RestingBP	Cholesterol	FastingBS	RestingECG	MaxHR	ExerciseAngina	Oldpeak	ST_Slope	HeartDisease
40	M	ATA	140	289	0	Normal	172	N	0	Up	0
49	F	NAP	160	180	0	Normal	156	N	1	Flat	1
37	M	ATA	130	283	0	ST	98	N	0	Up	0
48	F	ASY	138	214	0	Normal	108	Y	1,5	Flat	1
54	M	NAP	150	195	0	Normal	122	N	0	Up	0
39	M	NAP	120	339	0	Normal	170	N	0	Up	0
45	F	ATA	130	237	0	Normal	170	N	0	Up	0
54	M	ATA	110	208	0	Normal	142	N	0	Up	0
37	M	ASY	140	207	0	Normal	130	Y	1,5	Flat	1
48	F	ATA	120	284	0	Normal	120	N	0	Up	0
37	F	NAP	130	211	0	Normal	142	N	0	Up	0
58	M	ATA	136	164	0	ST	99	Y	2	Flat	1
39	M	ATA	120	204	0	Normal	145	N	0	Up	0
49	M	ASY	140	234	0	Normal	140	Y	1	Flat	1
42	F	NAP	115	211	0	ST	137	N	0	Up	0
54	F	ATA	120	273	0	Normal	150	N	1,5	Flat	0
38	M	ASY	110	196	0	Normal	166	N	0	Flat	1
43	F	ATA	120	201	0	Normal	165	N	0	Up	0
60	M	ASY	100	248	0	Normal	125	N	1	Flat	1
36	M	ATA	120	267	0	Normal	160	N	3	Flat	1
43	F	TA	100	223	0	Normal	142	N	0	Up	0
44	M	ATA	120	184	0	Normal	142	N	1	Flat	0
49	F	ATA	124	201	0	Normal	164	N	0	Up	0
44	M	ATA	150	288	0	Normal	150	Y	3	Flat	1
40	M	NAP	130	215	0	Normal	138	N	0	Up	0
36	M	NAP	130	209	0	Normal	178	N	0	Up	0
53	M	ASY	124	260	0	ST	112	Y	3	Flat	0
52	M	ATA	120	284	0	Normal	118	N	0	Up	0
53	F	ATA	113	468	0	Normal	127	N	0	Up	0
51	M	ATA	125	188	0	Normal	145	N	0	Up	0
53	M	NAP	145	518	0	Normal	130	N	0	Flat	0
56	M	NAP	130	167	0	Normal	114	N	0	Up	0
54	M	ASY	125	224	0	Normal	122	N	2	Flat	1

#	A	B	C	D	E	F	G	H	I	J	K	L
35	41	M	ASY	130	172	0	ST	130	N	2	Flat	1
36	43	F	ATA	150	186	0	Normal	154	N	0	Up	0
37	32	M	ATA	125	254	0	Normal	155	N	0	Up	0
38	65	M	ASY	140	306	1	Normal	87	Y	1,5	Flat	1
39	41	F	ATA	110	250	0	ST	142	N	0	Up	0
40	48	F	ATA	120	177	1	ST	148	N	0	Up	0
41	48	F	ASY	150	227	0	Normal	130	Y	1	Flat	0
42	54	F	ATA	150	230	0	Normal	130	N	0	Up	0
43	54	F	NAP	130	294	0	ST	100	Y	0	Flat	1
44	35	M	ATA	150	264	0	Normal	168	N	0	Up	0
45	52	M	NAP	140	259	0	ST	170	N	0	Up	0
46	43	M	ASY	120	175	0	Normal	120	Y	1	Flat	1
47	59	M	NAP	130	318	0	Normal	120	Y	1	Flat	0
48	37	M	ASY	120	223	0	Normal	168	N	0	Up	0
49	50	M	ATA	140	216	0	Normal	170	N	0	Up	0
50	36	M	NAP	112	340	0	Normal	184	N	1	Flat	0
51	41	M	ASY	110	289	0	Normal	170	N	0	Flat	1
52	50	M	ASY	130	233	0	Normal	121	Y	2	Flat	0
53	47	F	ASY	120	205	0	Normal	98	Y	2	Flat	1
54	45	M	ATA	140	224	1	Normal	122	N	0	Up	0
55	41	F	ATA	130	245	0	Normal	150	N	0	Up	0
56	52	F	ASY	130	180	0	Normal	140	Y	1,5	Flat	0
57	51	F	ATA	160	194	0	Normal	170	N	0	Up	0
58	31	M	NAP	120	270	0	Normal	153	Y	1,5	Flat	1
59	58	M	NAP	130	213	0	ST	140	N	0	Flat	1
60	54	M	ASY	150	365	0	ST	134	N	1	Up	0
61	52	M	ASY	112	342	0	ST	96	Y	1	Flat	1
62	49	M	ATA	100	253	0	Normal	174	N	0	Up	0
63	43	F	NAP	150	254	0	Normal	175	N	0	Up	0
64	45	M	ASY	140	224	0	Normal	144	N	0	Up	0
65	46	M	ASY	120	277	0	Normal	125	Y	1	Flat	1
66	50	F	ATA	110	202	0	Normal	145	N	0	Up	0
67	37	F	ATA	120	260	0	Normal	130	N	0	Up	0
68	45	F	ASY	132	297	0	Normal	144	N	0	Up	0

#	A	B	C	D	E	F	G	H	I	J	K	L
69	32	M	ATA	110	225	0	Normal	184	N	0	Up	0
70	52	M	ASY	160	246	0	ST	82	Y	4	Flat	1
71	44	M	ASY	150	412	0	Normal	170	N	0	Up	0
72	57	M	ATA	140	265	0	ST	145	Y	1	Flat	1
73	44	M	ATA	130	215	0	Normal	135	N	0	Up	0
74	52	M	ASY	120	182	0	Normal	150	N	0	Flat	1
75	44	F	ASY	120	218	0	ST	115	N	0	Up	0
76	55	M	ASY	140	268	0	Normal	128	Y	1,5	Flat	1
77	46	M	NAP	150	163	0	Normal	116	N	0	Up	0
78	32	M	ASY	118	529	0	Normal	130	N	0	Flat	1
79	35	F	ASY	140	167	0	Normal	150	N	0	Up	0
80	52	M	ATA	140	100	0	Normal	138	Y	0	Up	0
81	49	M	ASY	130	206	0	Normal	170	N	0	Flat	1
82	55	M	NAP	110	277	0	Normal	160	N	0	Up	0
83	54	M	ATA	120	238	0	Normal	154	N	0	Up	0
84	63	M	ASY	150	223	0	Normal	115	N	0	Flat	1
85	52	M	ATA	160	196	0	Normal	165	N	0	Up	0
86	56	M	ASY	150	213	1	Normal	125	Y	1	Flat	1
87	66	M	ASY	140	139	0	Normal	94	Y	1	Flat	1
88	65	M	ASY	170	263	1	Normal	112	Y	2	Flat	1
89	53	F	ATA	140	216	0	Normal	142	Y	2	Flat	0
90	43	M	TA	120	291	0	ST	155	N	0	Flat	1
91	55	M	ASY	140	229	0	Normal	110	Y	0,5	Flat	0
92	49	F	ATA	110	208	0	Normal	160	N	0	Up	0
93	39	M	ASY	130	307	0	Normal	140	N	0	Up	0
94	52	F	ATA	120	210	0	Normal	148	N	0	Up	0
95	48	M	ASY	160	329	0	Normal	92	Y	1,5	Flat	1
96	39	F	NAP	110	182	0	ST	180	N	0	Up	0
97	58	M	ASY	130	263	0	Normal	140	Y	2	Flat	1
98	43	M	ATA	142	207	0	Normal	138	N	0	Up	0
99	39	M	NAP	160	147	1	Normal	160	N	0	Up	0
100	56	M	ASY	120	85	0	Normal	140	N	0	Up	0
101	41	M	ATA	125	269	0	Normal	144	N	0	Up	0
102	65	M	ASY	130	275	0	ST	115	Y	1	Flat	1

b

	A	B	C	D	E	F	G	H	I	J	K	L
103	51	M	ASY	130	179	0	Normal	100	N	0	Up	0
104	40	F	ASY	150	392	0	Normal	130	N	2	Flat	1
105	40	M	ASY	120	466	1	Normal	152	Y	1	Flat	1
106	46	M	ASY	118	186	0	Normal	124	N	0	Flat	1
107	57	M	ATA	140	260	1	Normal	140	N	0	Up	0
108	48	F	ASY	120	254	0	ST	110	N	0	Up	0
109	34	M	ATA	150	214	0	ST	168	N	0	Up	0
110	50	M	ASY	140	129	0	Normal	135	N	0	Up	0
111	39	M	ATA	190	241	0	Normal	106	N	0	Up	0
112	59	F	ATA	130	188	0	Normal	124	N	1	Flat	0
113	57	M	ASY	150	255	0	Normal	92	Y	3	Flat	1
114	47	M	ASY	140	276	1	Normal	125	Y	0	Up	0
115	38	M	ATA	140	297	0	Normal	150	N	0	Up	0
116	49	F	NAP	130	207	0	ST	135	N	0	Up	0
117	33	F	ASY	100	246	0	Normal	150	Y	1	Flat	1
118	38	M	ASY	120	282	0	Normal	170	N	0	Flat	1
119	59	F	ASY	130	338	1	ST	130	Y	1,5	Flat	1
120	35	F	TA	120	160	0	ST	185	N	0	Up	0
121	34	M	TA	140	156	0	Normal	180	N	0	Flat	1
122	47	F	NAP	135	248	1	Normal	170	N	0	Flat	1
123	52	F	NAP	125	272	0	Normal	139	N	0	Up	0
124	46	M	ASY	110	240	0	ST	140	N	0	Up	0
125	58	F	ATA	180	393	0	Normal	110	Y	1	Flat	0
126	58	M	ATA	130	230	0	Normal	150	N	0	Up	0
127	54	M	ATA	120	246	0	Normal	110	N	0	Up	0
128	34	F	ATA	130	161	0	Normal	190	N	0	Up	0
129	48	F	ASY	108	163	0	Normal	175	N	2	Up	0
130	54	F	ATA	120	230	1	Normal	140	N	0	Up	0
131	42	M	NAP	120	228	0	Normal	152	Y	1,5	Flat	0
132	38	M	NAP	145	292	0	Normal	130	N	0	Up	0
133	46	M	ASY	110	202	0	Normal	150	Y	0	Flat	1
134	56	M	ASY	170	388	0	ST	122	Y	2	Flat	1
135	56	M	ASY	150	230	0	ST	124	Y	1,5	Flat	1
136	61	F	ASY	130	294	0	ST	120	Y	1	Flat	0

c

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