FINAL DELIVERABLES

DATA SET

DATE	29th October 2022
TEAM ID	PNT2022TMID29954
PROJECT TITLE	Visualizing and Predicting Heart Diseases with an Interactive Dashboard

DOWNLOADING DATASET:

Dataset link : heart-disease-prediction dataset

DATASET

	Age	Sex	Chest pain	BP	Cholesterol	FBS over 1	EKG result	Max HR	Exercise a	ST depres	Slope of S	Number o	Thallium	Heart Disease
1	Age	Sex	Chest pair	BP	Cholester	FBS over 1	EKG resull	Max HR	Exercise a	ST depres	Slope of S	Number o	Thallium	Heart Disease
2	70	1	4	130	322	0	2	109	0	2.4	2	3	3	Presence
3	67	0	3	115	564	0	2	160	0	1.6	2	0	7	Absence
4	57	1	2	124	261	0	0	141	0	0.3	1	0	7	Presence
5	64	1	4	128	263	0	0	105	1	0.2	2	1	7	Absence
6	74	0	2	120	269	0	2	121	1	0.2	1	1	3	Absence
7	65	1	4	120	177	0	0	140	0	0.4	1	0	7	Absence
8	56	1	3	130	256	1	2	142	1	0.6	2	1	6	Presence
9	59	1	4	110	239	0	2	142	1	1.2	2	1	7	Presence
10	60	1	4	140	293	0	2	170	0	1.2	2	2	7	Presence
11	63	0	4	150	407	0	2	154	0	4	2	3	7	Presence
12	59	1	4	135	234	0	0	161	0	0.5	2	0	7	Absence
13	53	1	4	142	226	0	2	111	1	0	1	0	7	Absence
14	44	1	3	140	235	0	2	180	0	0	1	0	3	Absence
15	61	1	1	134	234	0	0	145	0	2.6	2	2	3	Presence
16	57	0	4	128	303	0	2	159	0	0	1	1	3	Absence
17	71	0	4	112	149	0	0	125	0	1.6	2	0	3	Absence
18	46	1	4	140	311	0	0	120	1	1.8	2	2	7	Presence
19	53	1	4	140	203	1	2	155	1	3.1	3	0	7	Presence
20	64	1	1	110	211	0	2	144	1	1.8	2	0	3	Absence
21	40	1	1	140	199	0	0	178	1	1.4	1	0	7	Absence
22	67	1	4	120	229	0	2	129	1	2.6	2	2	7	Presence
23	48	1	2	130	245	0	2	180	0	0.2	2	0	3	Absence
24	43	1	4	115	303	0	0	181	0	1.2	2	0	3	Absence
25	47	1	4	112	204	0	0	143	0	0.1	1	0	3	Absence
26	54	0	2	132	288	1	2	159	1	0	1	1	3	Absence
27	48	0	3	130	275	0	0	139	0	0.2	1	0	3	Absence

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28	46	0	4	138	243	0	2	152	1	0	2	0	3 Absence
29	51	0	3	120	295	0	2	157	0	0.6	1	0	3 Absence
30	58	1	3	112	230	0	2	165	0	2.5	2	1	7 Presence
31	71	0	3	110	265	1	2	130	0	0	1	1	3 Absence
32	57	1	3	128	229	0	2	150	0	0.4	2	1	7 Presence
33	66	1	4	160	228	0	2	138	0	2.3	1	0	6 Absence
34	37	0	3	120	215	0	0	170	0	0	1	0	3 Absence
35	59	1	4	170	326	0	2	140	1	3.4	3	0	7 Presence
36	50	1	4	144	200	0	2	126	1	0.9	2	0	7 Presence
37	48	1	4	130	256	1	2	150	1	0	1	2	7 Presence
38	61	1	4	140	207	0	2	138	1	1.9	1	1	7 Presence
39	59	1	1	160	273	0	2	125	0	0	1	0	3 Presence
40	42	1	3	130	180	0	0	150	0	0	1	0	3 Absence
41	48	1	4	122	222	0	2	186	0	0	1	0	3 Absence
42	40	1	4	152	223	0	0	181	0	0	1	0	7 Presence
43	62	0	4	124	209	0	0	163	0	0	1	0	3 Absence
44	44	1	3	130	233	0	0	179	1	0.4	1	0	3 Absence
45	46	1	2	101	197	1	0	156	0	0	1	0	7 Absence
46	59	1	3	126	218	1	0	134	0	2.2	2	1	6 Presence
47	58	1	3	140	211	1	2	165	0	0	1	0	3 Absence
48	49	1	3	118	149	0	2	126	0	0.8	1	3	3 Presence
49	44	1	4	110	197	0	2	177	0	0	1	1	3 Presence
50	66	1	2	160	246	0	0	120	1	0	2	3	6 Presence
51	65	0	4	150	225	0	2	114	0	1	2	3	7 Presence
52	42	1	4	136	315	0	0	125	1	1.8	2	0	6 Presence
53	52	1	2	128	205	1	0	184	0	0	1	0	3 Absence
54	65	0	3	140	417	1	2	157	0	0.8	1	1	3 Absence

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55	63	0	2	140	195	0	0	179	0	0	1	2	3 Absence
56	45	0	2	130	234	0	2	175	0	0.6	2	0	3 Absence
57	41	0	2	105	198	0	0	168	0	0	1	1	3 Absence
58	61	1	4	138	166	0	2	125	1	3.6	2	1	3 Presence
59	60	0	3	120	178	1	0	96	0	0	1	0	3 Absence
60	59	0	4	174	249	0	0	143	1	0	2	0	3 Presence
61	62	1	2	120	281	0	2	103	0	1.4	2	1	7 Presence
62	57	1	3	150	126	1	0	173	0	0.2	1	1	7 Absence
63	51	0	4	130	305	0	0	142	1	1.2	2	0	7 Presence
64	44	1	3	120	226	0	0	169	0	0	1	0	3 Absence
65	60	0	1	150	240	0	0	171	0	0.9	1	0	3 Absence
66	63	1	1	145	233	1	2	150	0	2.3	3	0	6 Absence
67	57	1	4	150	276	0	2	112	1	0.6	2	1	6 Presence
68	51	1	4	140	261	0	2	186	1	0	1	0	3 Absence
69	58	0	2	136	319	1	2	152	0	0	1	2	3 Presence
70	44	0	3	118	242	0	0	149	0	0.3	2	1	3 Absence
71	47	1	3	108	243	0	0	152	0	0	1	0	3 Presence
72	61	1	4	120	260	0	0	140	1	3.6	2	1	7 Presence
73	57	0	4	120	354	0	0	163	1	0.6	1	0	3 Absence
74	70	1	2	156	245	0	2	143	0	0	1	0	3 Absence
75	76	0	3	140	197	0	1	116	0	1.1	2	0	3 Absence
76	67	0	4	106	223	0	0	142	0	0.3	1	2	3 Absence
77	45	1	4	142	309	0	2	147	1	0	2	3	7 Presence
78	45	1	4	104	208	0	2	148	1	3	2	0	3 Absence
79	39	0	3	94	199	0	0	179	0	0	1	0	3 Absence
80	42	0	3	120	209	0	0	173	0	0	2	80	3 Absence
81	56	1	2	120	236	0	0	178	0	0.8	1	0	3 Absence

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81	56	1	2	120	236	0	0	178	0	0.8	1	0	3 Absence
82	58	1	4	146	218	0	0	105	0	2	2	1	7 Presence
83	35	1	4	120	198	0	0	130	1	1.6	2	0	7 Presence
84	58	1	4	150	270	0	2	111	1	0.8	1	0	7 Presence
85	41	1	3	130	214	0	2	168	0	2	2	0	3 Absence
86	57	1	4	110	201	0	0	126	1	1.5	2	0	6 Absence
87	42	1	1	148	244	0	2	178	0	0.8	1	2	3 Absence
88	62	1	2	128	208	1	2	140	0	0	1	0	3 Absence
89	59	1	1	178	270	0	2	145	0	4.2	3	0	7 Absence
90	41	0	2	126	306	0	0	163	0	0	1	0	3 Absence
91	50	1	4	150	243	0	2	128	0	2.6	2	0	7 Presence
92	59	1	2	140	221	0	0	164	1	0	1	0	3 Absence
93	61	0	4	130	330	0	2	169	0	0	1	0	3 Presence
94	54	1	4	124	266	0	2	109	1	2.2	2	1	7 Presence
95	54	1	4	110	206	0	2	108	1	0	2	1	3 Presence
96	52	1	4	125	212	0	0	168	0	1	1	2	7 Presence
97	47	1	4	110	275	0	2	118	1	1	2	1	3 Presence
98	66	1	4	120	302	0	2	151	0	0.4	2	0	3 Absence
99	58	1	4	100	234	0	0	156	0	0.1	1	1	7 Presence
100	64	0	3	140	313	0	0	133	0	0.2	1	0	7 Absence
101	50	0	2	120	244	0	0	162	0	1.1	1	0	3 Absence
102	44	0	3	108	141	0	0	175	0	0.6	2	0	3 Absence
103	67	1	4	120	237	0	0	71	0	1	2	0	3 Presence
104	49	0	4	130	269	0	0	163	0	0	1	0	3 Absence
105	57	1	4	165	289	1	2	124	0	1	2	3	7 Presence
106	63	1	4	130	254	0	2	147	0	1.4	2	1	7 Presence
107	48	1	4	124	274	0	2	166	0	0.5	2	0	7 Presence

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108	51	1	3	100	222	0	0	143	1	1.2	2	0	3 Absence
109	60	0	4	150	258	0	2	157	0	2.6	2	2	7 Presence
110	59	1	4	140	177	0	0	162	1	0	1	1	7 Presence
111	45	0	2	112	160	0	0	138	0	0	2	0	3 Absence
112	55	0	4	180	327	0	1	117	1	3.4	2	0	3 Presence
113	41	1	2	110	235	0	0	153	0	0	1	0	3 Absence
114	60	0	4	158	305	0	2	161	0	0	1	0	3 Presence
115	54	0	3	135	304	1	0	170	0	0	1	0	3 Absence
116	42	1	2	120	295	0	0	162	0	0	1	0	3 Absence
117	49	0	2	134	271	0	0	162	0	0	2	0	3 Absence
118	46	1	4	120	249	0	2	144	0	0.8	1	0	7 Presence
119	56	0	4	200	288	1	2	133	1	4	3	2	7 Presence
120	66	0	1	150	226	0	0	114	0	2.6	3	0	3 Absence
121	56	1	4	130	283	1	2	103	1	1.6	3	0	7 Presence
122	49	1	3	120	188	0	0	139	0	2	2	3	7 Presence
123	54	1	4	122	286	0	2	116	1	3.2	2	2	3 Presence
124	57	1	4	152	274	0	0	88	1	1.2	2	1	7 Presence
125	65	0	3	160	360	0	2	151	0	0.8	1	0	3 Absence
126	54	1	3	125	273	0	2	152	0	0.5	3	1	3 Absence
127	54	0	3	160	201	0	0	163	0	0	1	1	3 Absence
128	62	1	4	120	267	0	0	99	1	1.8	2	2	7 Presence
129	52	0	3	136	196	0	2	169	0	0.1	2	0	3 Absence
130	52	1	2	134	201	0	0	158	0	0.8	1	1	3 Absence
131	60	1	4	117	230	1	0	160	1	1.4	1	2	7 Presence
132	63	0	4	108	269	0	0	169	1	1.8	2	2	3 Presence
133	66	1	4	112	212	0	2	132	1	0.1	1	1	3 Presence
134	42	1	4	140	226	0	0	178	0	0	1	0	3 Absence

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135	64	1	4	120	246	0	2	96	1	2.2	3	1	3 Presence
136	54	1	3	150	232	0	2	165	0	1.6	1	0	7 Absence
137	46	0	3	142	177	0	2	160	1	1.4	3	0	3 Absence
138	67	0	3	152	277	0	0	172	0	0	1	1	3 Absence
139	56	1	4	125	249	1	2	144	1	1.2	2	1	3 Presence
140	34	0	2	118	210	0	0	192	0	0.7	1	0	3 Absence
141	57	1	4	132	207	0	0	168	1	0	1	0	7 Absence
142	64	1	4	145	212	0	2	132	0	2	2	2	6 Presence
143	59	1	4	138	271	0	2	182	0	0	1	0	3 Absence
144	50	1	3	140	233	0	0	163	0	0.6	2	1	7 Presence
145	51	1	1	125	213	0	2	125	1	1.4	1	1	3 Absence
146	54	1	2	192	283	0	2	195	0	0	1	1	7 Presence
147	53	1	4	123	282	0	0	95	1	2	2	2	7 Presence
148	52	1	4	112	230	0	0	160	0	0	1	1	3 Presence
149	40	1	4	110	167	0	2	114	1	2	2	0	7 Presence
150	58	1	3	132	224	0	2	173	0	3.2	1	2	7 Presence
151	41	0	3	112	268	0	2	172	1	0	1	0	3 Absence
152	41	1	3	112	250	0	0	179	0	0	1	0	3 Absence
153	50	0	3	120	219	0	0	158	0	1.6	2	0	3 Absence
154	54	0	3	108	267	0	2	167	0	0	1	0	3 Absence
155	64	0	4	130	303	0	0	122	0	2	2	2	3 Absence
156	51	0	3	130	256	0	2	149	0	0.5	1	0	3 Absence
157	46	0	2	105	204	0	0	172	0	0	1	0	3 Absence
158	55	1	4	140	217	0	0	111	1	5.6	3	0	7 Presence
159	45	1	2	128	308	0	2	170	0	0	1	0	3 Absence
160	56	1	1	120	193	0	2	162	0	1.9	2	0	7 Absence
161	66	0	4	178	228	1	0	165	1	1	2	2	7 Presence

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162	38	1	1	120	231	0	0	182	1	3.8	2	0	7 Presence
163	62	0	4	150	244	0	0	154	1	1.4	2	0	3 Presence
164	55	1	2	130	262	0	0	155	0	0	1	0	3 Absence
165	58	1	4	128	259	0	2	130	1	3	2	2	7 Presence
166	43	1	4	110	211	0	0	161	0	0	1	0	7 Absence
167	64	0	4	180	325	0	0	154	1	0	1	0	3 Absence
168	50	0	4	110	254	0	2	159	0	0	1	0	3 Absence
169	53	1	3	130	197	1	2	152	0	1.2	3	0	3 Absence
170	45	0	4	138	236	0	2	152	1	0.2	2	0	3 Absence
171	65	1	1	138	282	1	2	174	0	1.4	2	1	3 Presence
172	69	1	1	160	234	1	2	131	0	0.1	2	1	3 Absence
173	69	1	3	140	254	0	2	146	0	2	2	3	7 Presence
174	67	1	4	100	299	0	2	125	1	0.9	2	2	3 Presence
175	68	0	3	120	211	0	2	115	0	1.5	2	0	3 Absence
176	34	1	1	118	182	0	2	174	0	0	1	0	3 Absence
177	62	0	4	138	294	1	0	106	0	1.9	2	3	3 Presence
178	51	1	4	140	298	0	0	122	1	4.2	2	3	7 Presence
179	46	1	3	150	231	0	0	147	0	3.6	2	0	3 Presence
180	67	1	4	125	254	1	0	163	0	0.2	2	2	7 Presence
181	50	1	3	129	196	0	0	163	0	0	1	0	3 Absence
182	42	1	3	120	240	1	0	194	0	0.8	3	0	7 Absence
183	56	0	4	134	409	0	2	150	1	1.9	2	2	7 Presence
184	41	1	4	110	172	0	2	158	0	0	1	0	7 Presence
185	42	0	4	102	265	0	2	122	0	0.6	2	0	3 Absence
186	53	1	3	130	246	1	2	173	0	0	1	3	3 Absence
187	43	1	3	130	315	0	0	162	0	1.9	1	1	3 Absence
188	56	1	4	132	184	0	2	105	1	2.1	2	1	6 Presence

189	52	1	4	108	233	1	0	147	0	0.1	1	3	7 Absence
190	62	0	4	140	394	0	2	157	0	1.2	2	0	3 Absence
191	70	1	3	160	269	0	0	112	1	2.9	2	1	7 Presence
192	54	1	4	140	239	0	0	160	0	1.2	1	0	3 Absence
193	70	1	4	145	174	0	0	125	1	2.6	3	0	7 Presence
194	54	1	2	108	309	0	0	156	0	0	1	0	7 Absence
195	35	1	4	126	282	0	2	156	1	0	1	0	7 Presence
196	48	1	3	124	255	1	0	175	0	0	1	2	3 Absence
197	55	0	2	135	250	0	2	161	0	1.4	2	0	3 Absence
198	58	0	4	100	248	0	2	122	0	1	2	0	3 Absence
199	54	0	3	110	214	0	0	158	0	1.6	2	0	3 Absence
200	69	0	1	140	239	0	0	151	0	1.8	1	2	3 Absence
201	77	1	4	125	304	0	2	162	1	0	1	3	3 Presence
202	68	1	3	118	277	0	0	151	0	1	1	1	7 Absence
203	58	1	4	125	300	0	2	171	0	0	1	2	7 Presence
204	60	1	4	125	258	0	2	141	1	2.8	2	1	7 Presence
205	51	1	4	140	299	0	0	173	1	1.6	1	0	7 Presence
206	55	1	4	160	289	0	2	145	1	0.8	2	1	7 Presence
207	52	1	1	152	298	1	0	178	0	1.2	2	0	7 Absence
208	60	0	3	102	318	0	0	160	0	0	1	1	3 Absence
209	58	1	3	105	240	0	2	154	1	0.6	2	0	7 Absence
210	64	1	3	125	309	0	0	131	1	1.8	2	0	7 Presence
211	37	1	3	130	250	0	0	187	0	3.5	3	0	3 Absence
212	59	1	1	170	288	0	2	159	0	0.2	2	0	7 Presence
213	51	1	3	125	245	1	2	166	0	2.4	2	0	3 Absence
214	43	0	3	122	213	0	0	165	0	0.2	2	0	3 Absence
215	58	1	4	128	216	0	2	131	1	2.2	2	3	7 Presence

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216	29	1	2	130	204	0	2	202	0	0	1	0	3 Absence
217	41	0	2	130	204	0	2	172	0	1.4	1	0	3 Absence
218	63	0	3	135	252	0	2	172	0	0	1	0	3 Absence
219	51	1	3	94	227	0	0	154	1	0	1	1	7 Absence
220	54	1	3	120	258	0	2	147	0	0.4	2	0	7 Absence
221	44	1	2	120	220	0	0	170	0	0	1	0	3 Absence
222	54	1	4	110	239	0	0	126	1	2.8	2	1	7 Presence
223	65	1	4	135	254	0	2	127	0	2.8	2	1	7 Presence
224	57	1	3	150	168	0	0	174	0	1.6	1	0	3 Absence
225	63	1	4	130	330	1	2	132	1	1.8	1	3	7 Presence
226	35	0	4	138	183	0	0	182	0	1.4	1	0	3 Absence
227	41	1	2	135	203	0	0	132	0	0	2	0	6 Absence
228	62	0	3	130	263	0	0	97	0	1.2	2	1	7 Presence
229	43	0	4	132	341	1	2	136	1	3	2	0	7 Presence
230	58	0	1	150	283	1	2	162	0	1	1	0	3 Absence
231	52	1	1	118	186	0	2	190	0	0	2	0	6 Absence
232	61	0	4	145	307	0	2	146	1	1	2	0	7 Presence
233	39	1	4	118	219	0	0	140	0	1.2	2	0	7 Presence
234	45	1	4	115	260	0	2	185	0	0	1	0	3 Absence
235	52	1	4	128	255	0	0	161	1	0	1	1	7 Presence
236	62	1	3	130	231	0	0	146	0	1.8	2	3	7 Absence
237	62	0	4	160	164	0	2	145	0	6.2	3	3	7 Presence
238	53	0	4	138	234	0	2	160	0	0	1	0	3 Absence
239	43	1	4	120	177	0	2	120	1	2.5	2	0	7 Presence
240	47	1	3	138	257	0	2	156	0	0	1	0	3 Absence
241	52	1	2	120	325	0	0	172	0	0.2	1	0	3 Absence
242	68	1	3	180	274	1	2	150	1	1.6	2	0	7 Presence

243	39	1	3	140	321	0	2	182	0	0	1	0	3 Absence
244	53	0	4	130	264	0	2	143	0	0.4	2	0	3 Absence
245	62	0	4	140	268	0	2	160	0	3.6	3	2	3 Presence
246	51	0	3	140	308	0	2	142	0	1.5	1	1	3 Absence
247	60	1	4	130	253	0	0	144	1	1.4	1	1	7 Presence
248	65	1	4	110	248	0	2	158	0	0.6	1	2	6 Presence
249	65	0	3	155	269	0	0	148	0	0.8	1	0	3 Absence
250	60	1	3	140	185	0	2	155	0	3	2	0	3 Presence
251	60	1	4	145	282	0	2	142	1	2.8	2	2	7 Presence
252	54	1	4	120	188	0	0	113	0	1.4	2	1	7 Presence
253	44	1	2	130	219	0	2	188	0	0	1	0	3 Absence
254	44	1	4	112	290	0	2	153	0	0	1	1	3 Presence
255	51	1	3	110	175	0	0	123	0	0.6	1	0	3 Absence
256	59	1	3	150	212	1	0	157	0	1.6	1	0	3 Absence
257	71	0	2	160	302	0	0	162	0	0.4	1	2	3 Absence
258	61	1	3	150	243	1	0	137	1	1	2	0	3 Absence
259	55	1	4	132	353	0	0	132	1	1.2	2	1	7 Presence
260	64	1	3	140	335	0	0	158	0	0	1	0	3 Presence
261	43	1	4	150	247	0	0	171	0	1.5	1	0	3 Absence
262	58	0	3	120	340	0	0	172	0	0	1	0	3 Absence
263	60	1	4	130	206	0	2	132	1	2.4	2	2	7 Presence
264	58	1	2	120	284	0	2	160	0	1.8	2	0	3 Presence
265	49	1	2	130	266	0	0	171	0	0.6	1	0	3 Absence
266	48	1	2	110	229	0	0	168	0	1	3	0	7 Presence
267	52	1	3	172	199	1	0	162	0	0.5	1	0	7 Absence
268	44	1	2	120	263	0	0	173	0	0	1	0	7 Absence
269	56	0	2	140	294	0	2	153	0	1.3	2	0	3 Absence

268	44	1	2	120	263	0	0	173	0	0	1	0	7	Absence
269	56	0	2	140	294	0	2	153	0	1.3	2	0	3	Absence
270	57	1	4	140	192	0	0	148	0	0.4	2	0	6	Absence
271	67	1	4	160	286	0	2	108	1	1.5	2	3	3	Presence