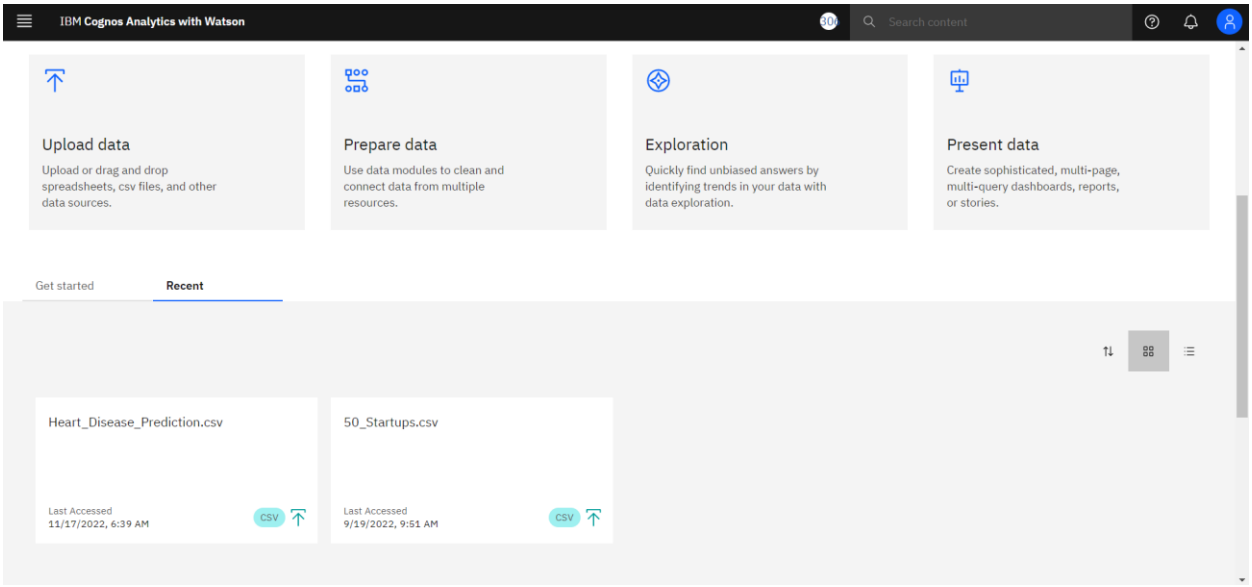
Working with Dataset

Loading and Preparation of dataset

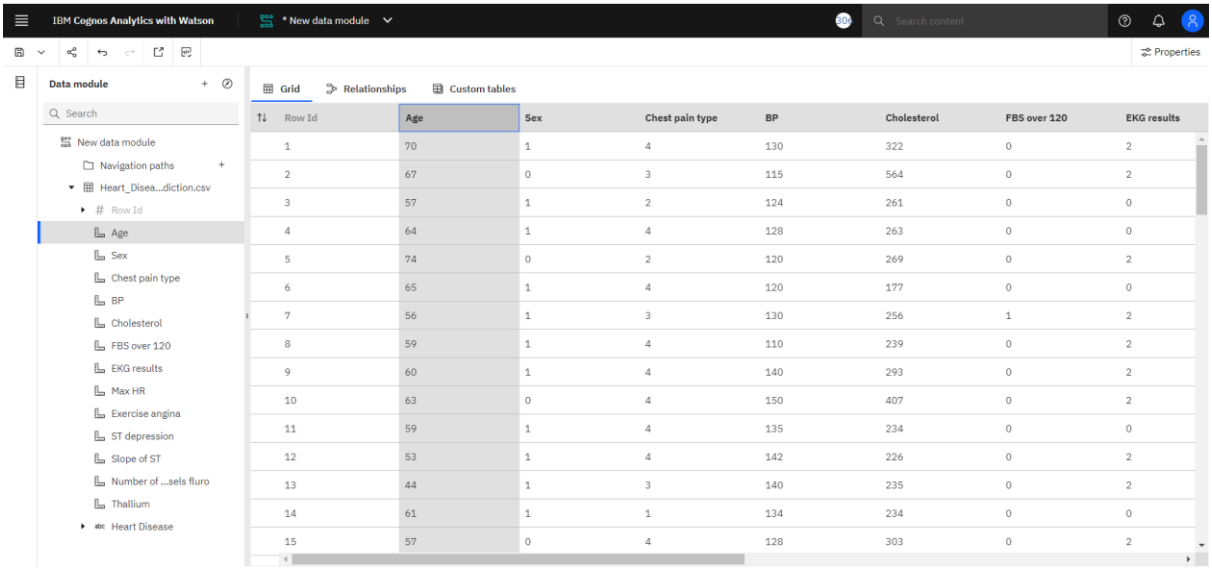
Team id	PNT2022TMID21213
Project name	VISUALIZING AND PREDICTING HEART DISEASEWITH AN INTERACTIVE DASHBOARD

LOADING DATASET

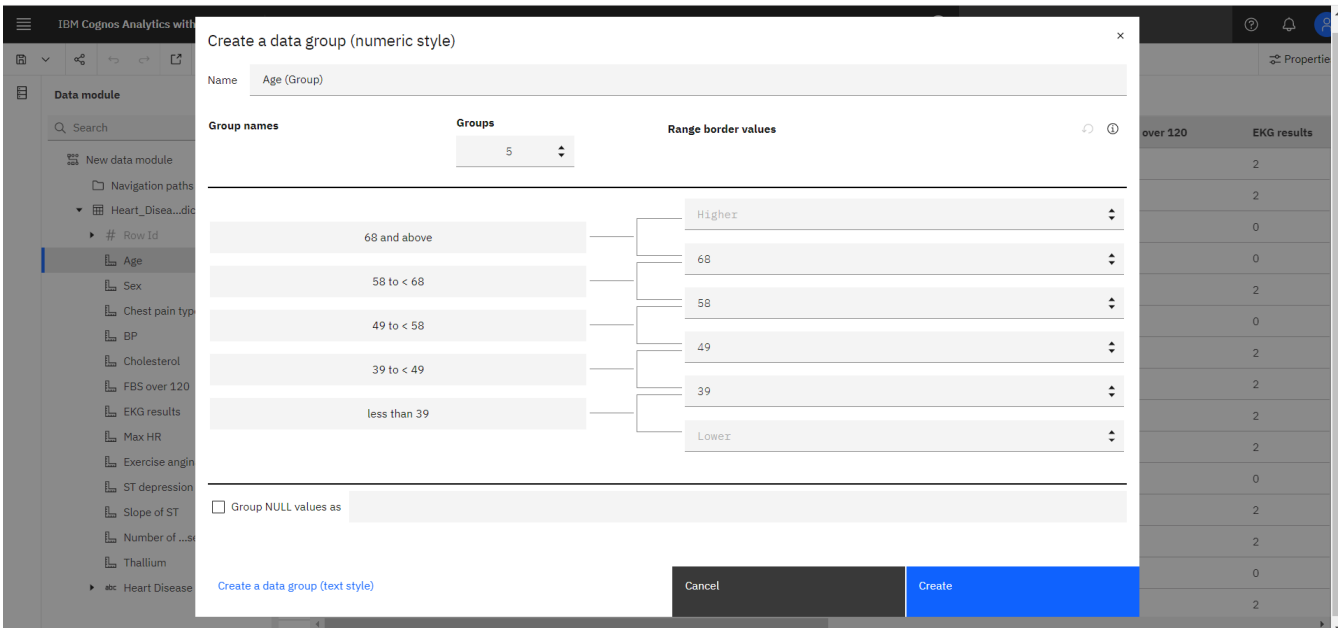


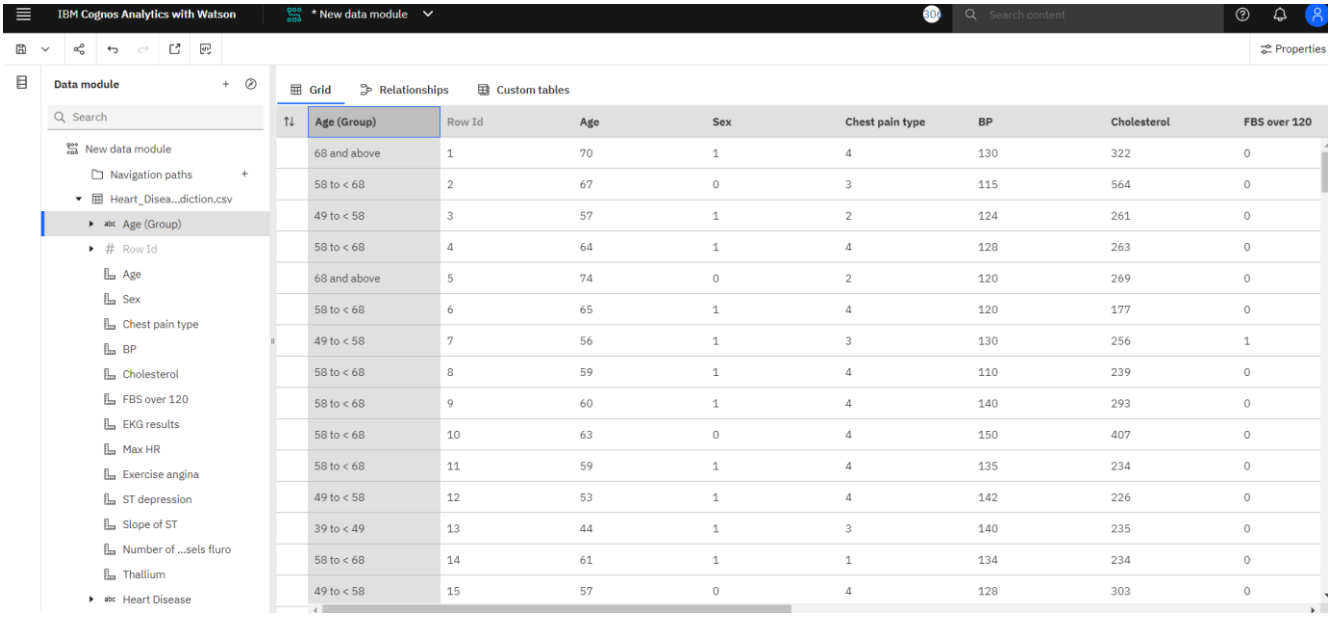
PREPARATION OF DATA

AGE GROUPS

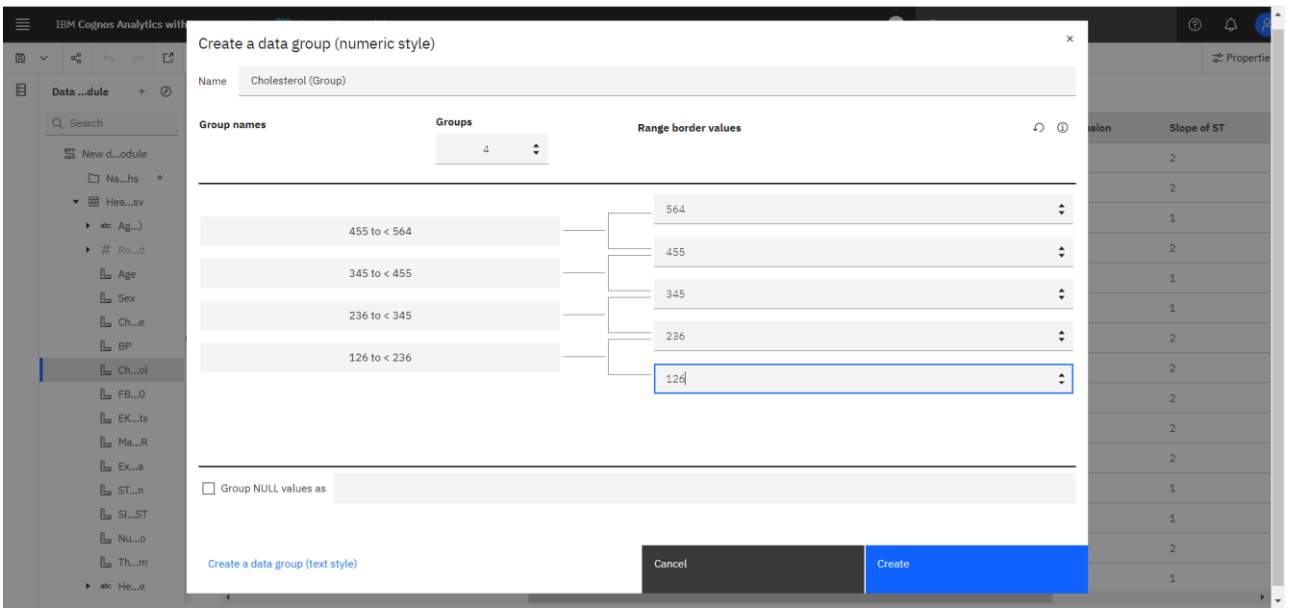


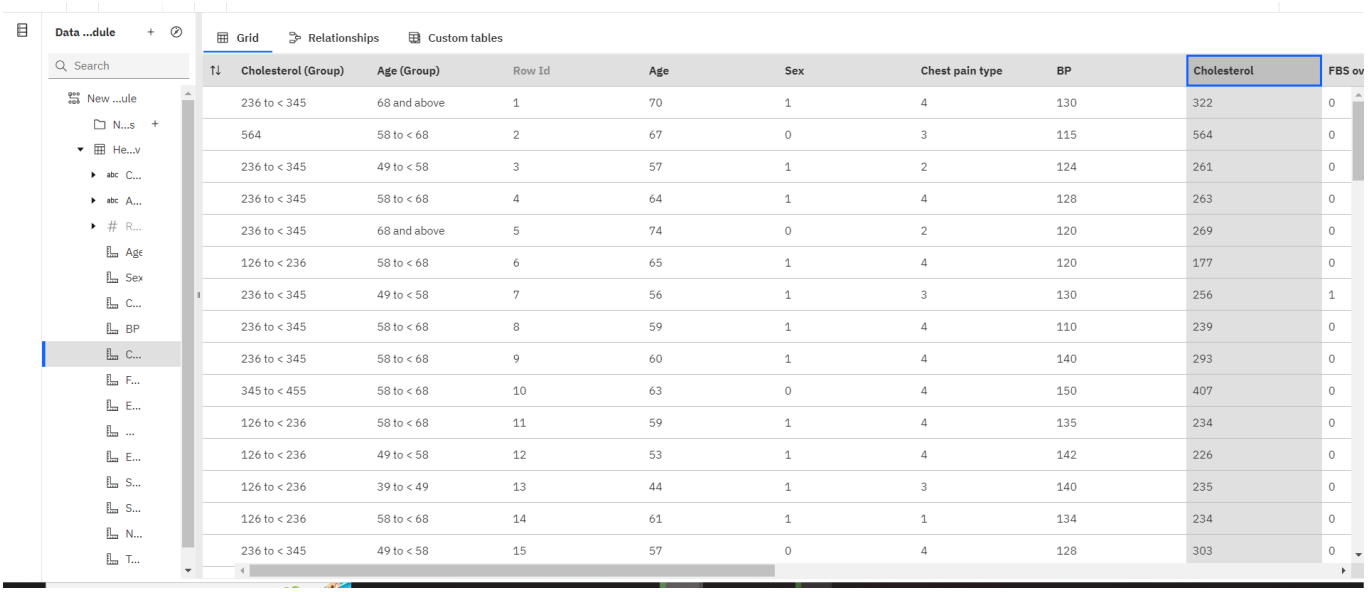
Row Id	Age	Sex	Chest pain type	BP	Cholesterol	FBS over 120	EKG results
1	70	1	4	130	322	0	2
2	67	0	3	115	564	0	2
3	57	1	2	124	261	0	0
4	64	1	4	128	263	0	0
5	74	0	2	120	269	0	2
6	65	1	4	120	177	0	0
7	56	1	3	130	256	1	2
8	59	1	4	110	239	0	2
9	60	1	4	140	293	0	2
10	63	0	4	150	407	0	2
11	59	1	4	135	234	0	0
12	53	1	4	142	226	0	2
13	44	1	3	140	235	0	2
14	61	1	1	134	234	0	0
15	57	0	4	128	303	0	2





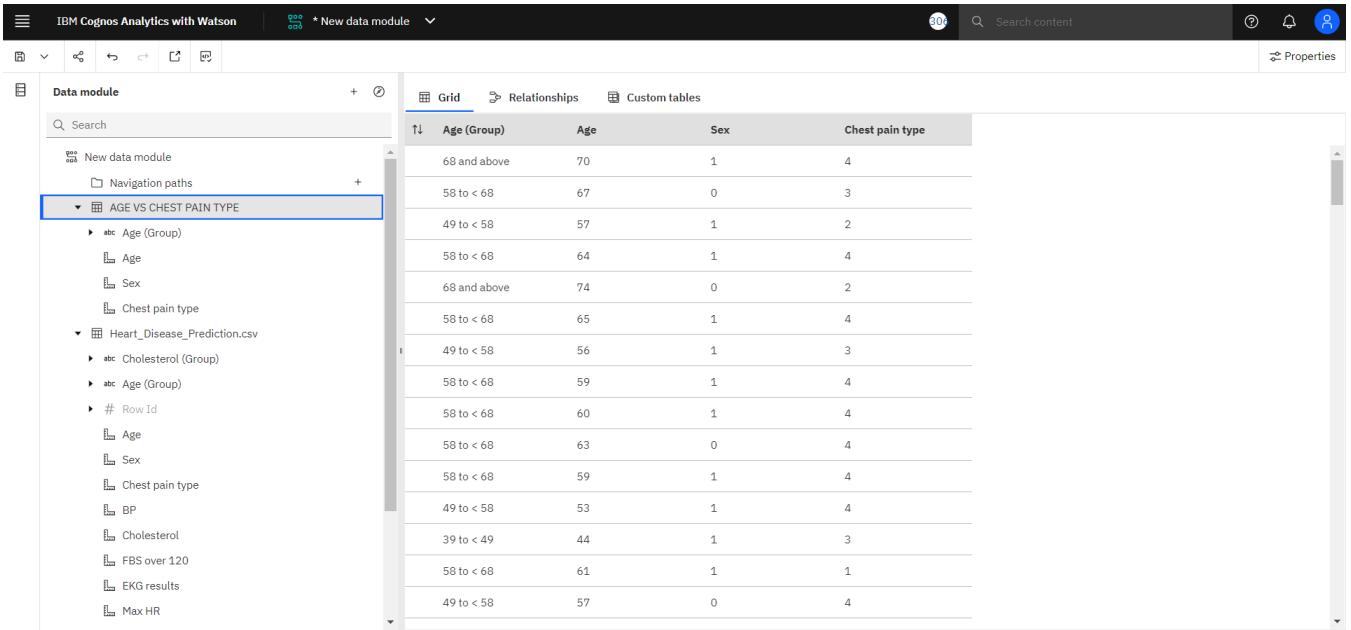
CHOLESTEROL USER GROUP





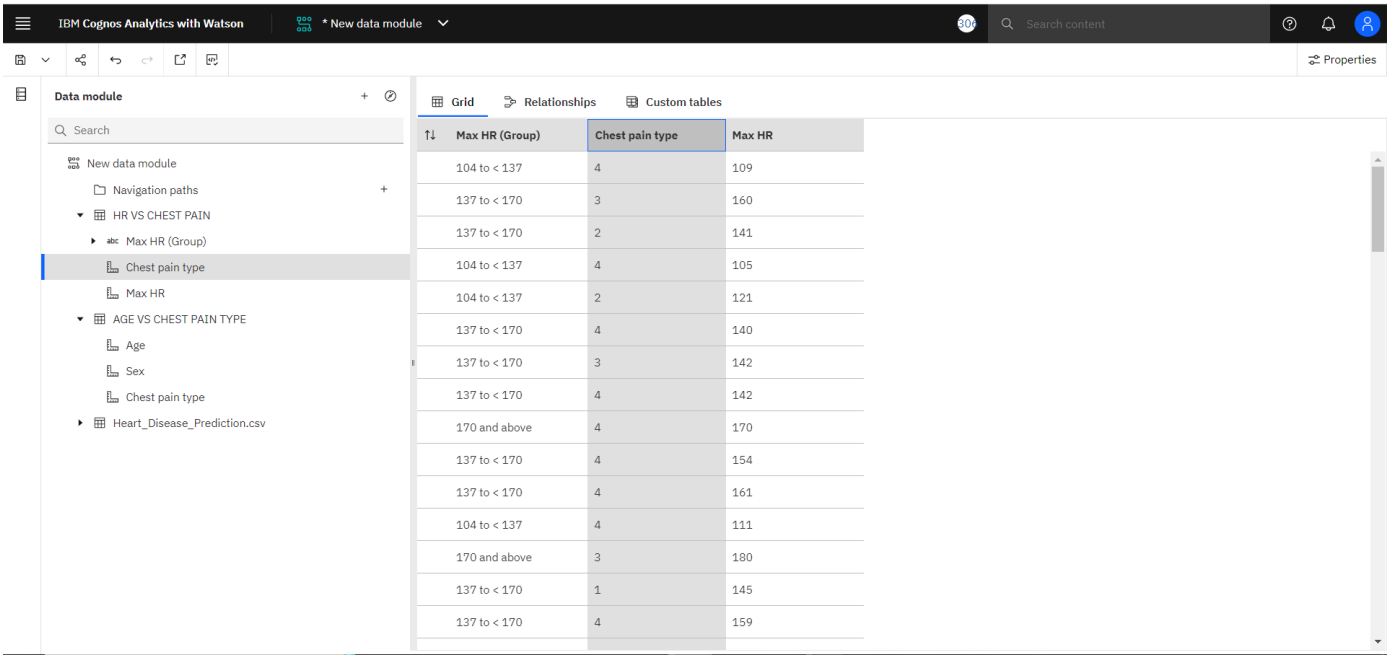
Cholesterol (Group)	Age (Group)	Row Id	Age	Sex	Chest pain type	BP	Cholesterol	FBS ov
236 to < 345	68 and above	1	70	1	4	130	322	0
564	58 to < 68	2	67	0	3	115	564	0
236 to < 345	49 to < 58	3	57	1	2	124	261	0
236 to < 345	58 to < 68	4	64	1	4	128	263	0
236 to < 345	68 and above	5	74	0	2	120	269	0
126 to < 236	58 to < 68	6	65	1	4	120	177	0
236 to < 345	49 to < 58	7	56	1	3	130	256	1
236 to < 345	58 to < 68	8	59	1	4	110	239	0
236 to < 345	58 to < 68	9	60	1	4	140	293	0
345 to < 455	58 to < 68	10	63	0	4	150	407	0
126 to < 236	58 to < 68	11	59	1	4	135	234	0
126 to < 236	49 to < 58	12	53	1	4	142	226	0
126 to < 236	39 to < 49	13	44	1	3	140	235	0
126 to < 236	58 to < 68	14	61	1	1	134	234	0
236 to < 345	49 to < 58	15	57	0	4	128	303	0

NEW TABLE FOR AGE VS CHEST PAIN TYPE



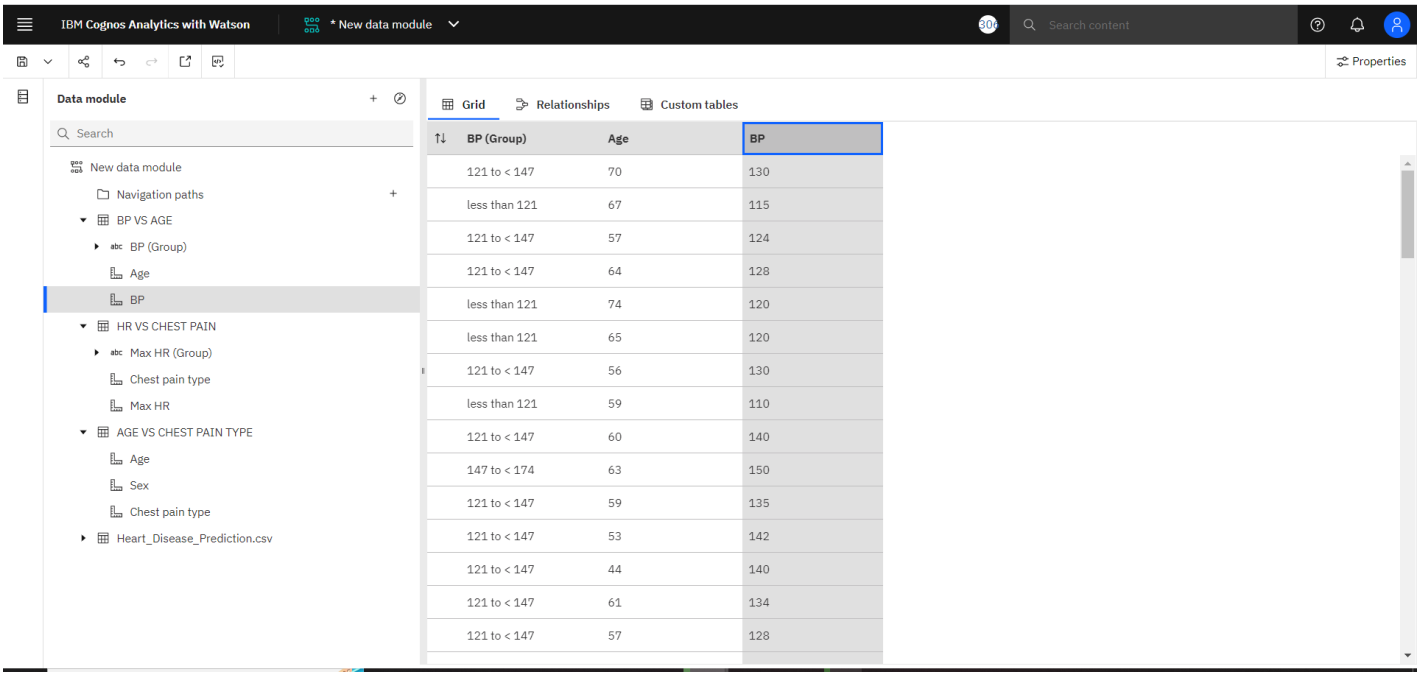
Age (Group)	Age	Sex	Chest pain type
68 and above	70	1	4
58 to < 68	67	0	3
49 to < 58	57	1	2
58 to < 68	64	1	4
68 and above	74	0	2
58 to < 68	65	1	4
49 to < 58	56	1	3
58 to < 68	59	1	4
58 to < 68	60	1	4
58 to < 68	63	0	4
58 to < 68	59	1	4
49 to < 58	53	1	4
39 to < 49	44	1	3
58 to < 68	61	1	1
49 to < 58	57	0	4

TABLE FOR MAX HR VS CHEST PAIN



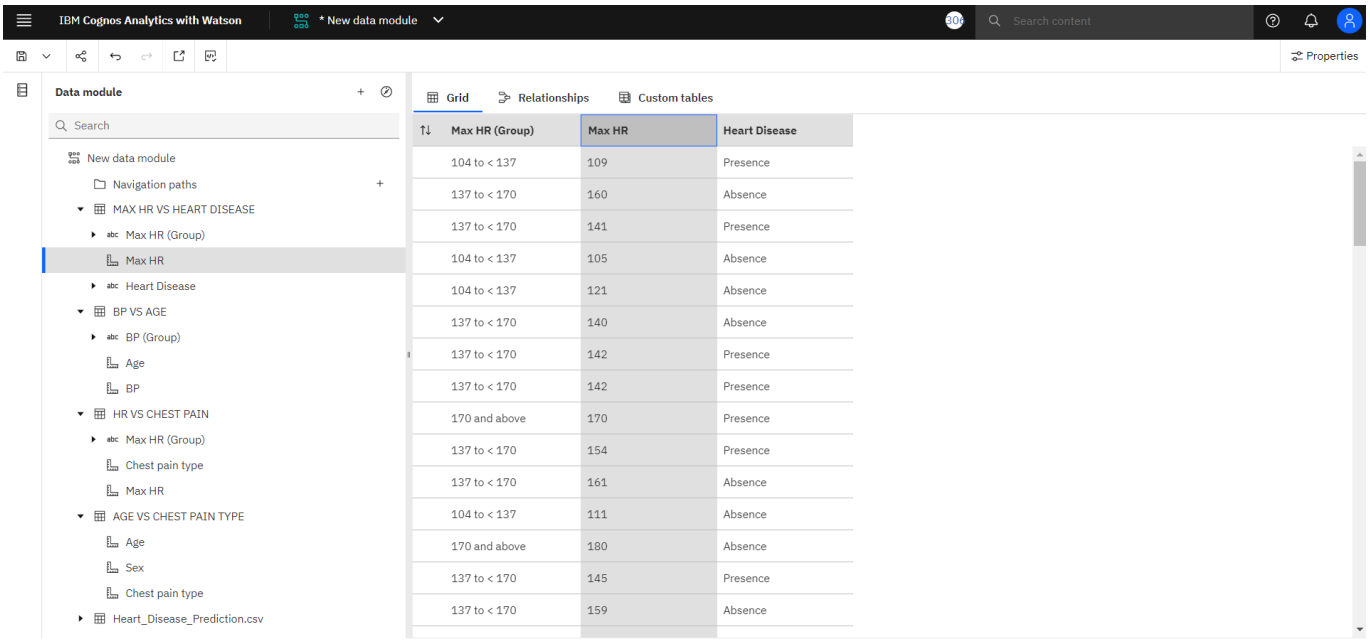
Max HR (Group)	Chest pain type	Max HR
104 to < 137	4	109
137 to < 170	3	160
137 to < 170	2	141
104 to < 137	4	105
104 to < 137	2	121
137 to < 170	4	140
137 to < 170	3	142
137 to < 170	4	142
170 and above	4	170
137 to < 170	4	154
137 to < 170	4	161
104 to < 137	4	111
170 and above	3	180
137 to < 170	1	145
137 to < 170	4	159

TABLE FOR BP VS AGE



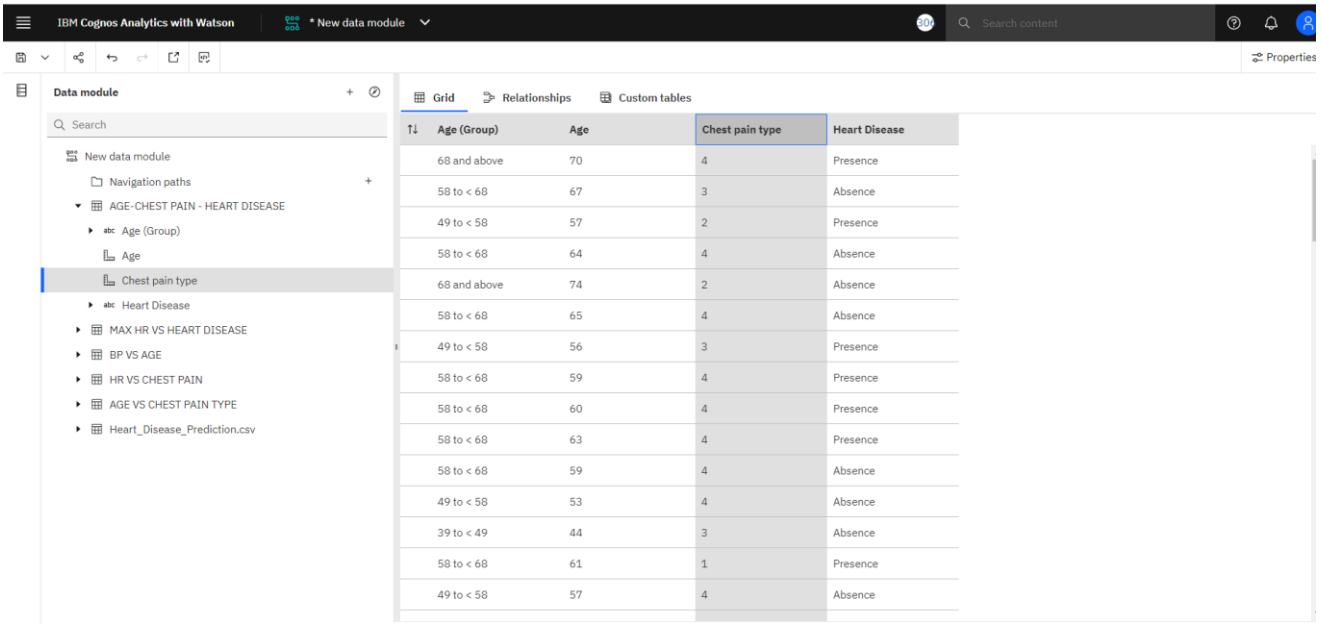
BP (Group)	Age	BP
121 to < 147	70	130
less than 121	67	115
121 to < 147	57	124
121 to < 147	64	128
less than 121	74	120
less than 121	65	120
121 to < 147	56	130
less than 121	59	110
121 to < 147	60	140
147 to < 174	63	150
121 to < 147	59	135
121 to < 147	53	142
121 to < 147	44	140
121 to < 147	61	134
121 to < 147	57	128

TABLE FOR MAX HR VS EXISTING HEART DISEASE



Max HR (Group)	Max HR	Heart Disease
104 to < 137	109	Presence
137 to < 170	160	Absence
137 to < 170	141	Presence
104 to < 137	105	Absence
104 to < 137	121	Absence
137 to < 170	140	Absence
137 to < 170	142	Presence
137 to < 170	142	Presence
170 and above	170	Presence
137 to < 170	154	Presence
137 to < 170	161	Absence
104 to < 137	111	Absence
170 and above	180	Absence
137 to < 170	145	Presence
137 to < 170	159	Absence

TABLE FOR AGE – CHEST PAIN VS EXISTING HEART DISEASE



Age (Group)	Age	Chest pain type	Heart Disease
68 and above	70	4	Presence
58 to < 68	67	3	Absence
49 to < 58	57	2	Presence
58 to < 68	64	4	Absence
68 and above	74	2	Absence
58 to < 68	65	4	Absence
49 to < 58	56	3	Presence
58 to < 68	59	4	Presence
58 to < 68	60	4	Presence
58 to < 68	63	4	Presence
58 to < 68	59	4	Absence
49 to < 58	53	4	Absence
39 to < 49	44	3	Absence
58 to < 68	61	1	Presence
49 to < 58	57	4	Absence

OVERALL DATASET