



Research about ECG dataset

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Question 1

label distribution in this dataset



Question 2

Correlation between various diseases and gender and age



Question 3

Correlation between various diseases and diseases

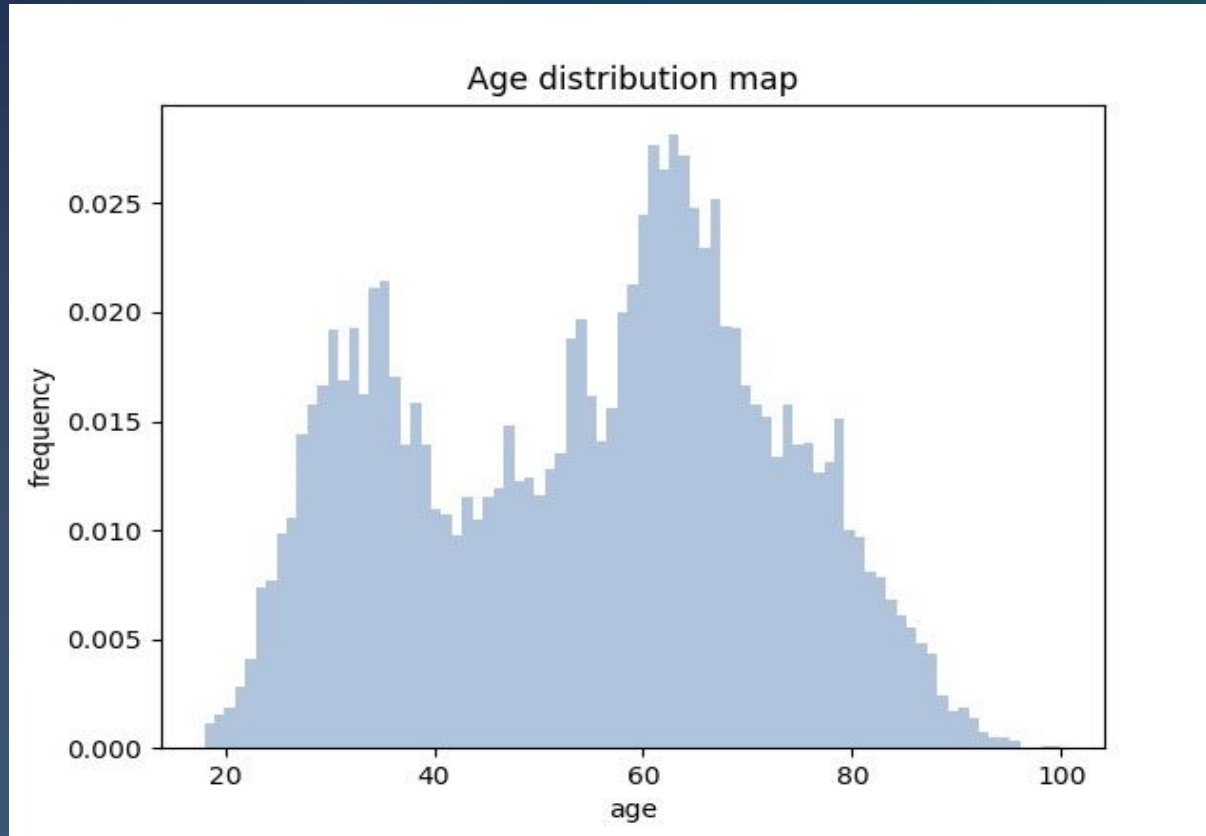


Question 1 label distribution in this dataset

Full name	abbreviation	Amount
Normal	Normal	9788
Early repolarization graphic change	ERGC	584
Indoor differential conduction	IDC	90
T wave change	TWC	5676
FirstdegreeA-Vblock	I-AVB	805
Atrial fibrillation	AFI	772
Premature atrial contraction	PAC	769
Complete right bundle branch block	CRBBB	963
Ventricular premature beat	VPB	844
Left anterior branch block	LAFB	343
Atrial flutter	AFL	163
Incomplete right bundle branch block	IRBBB	639

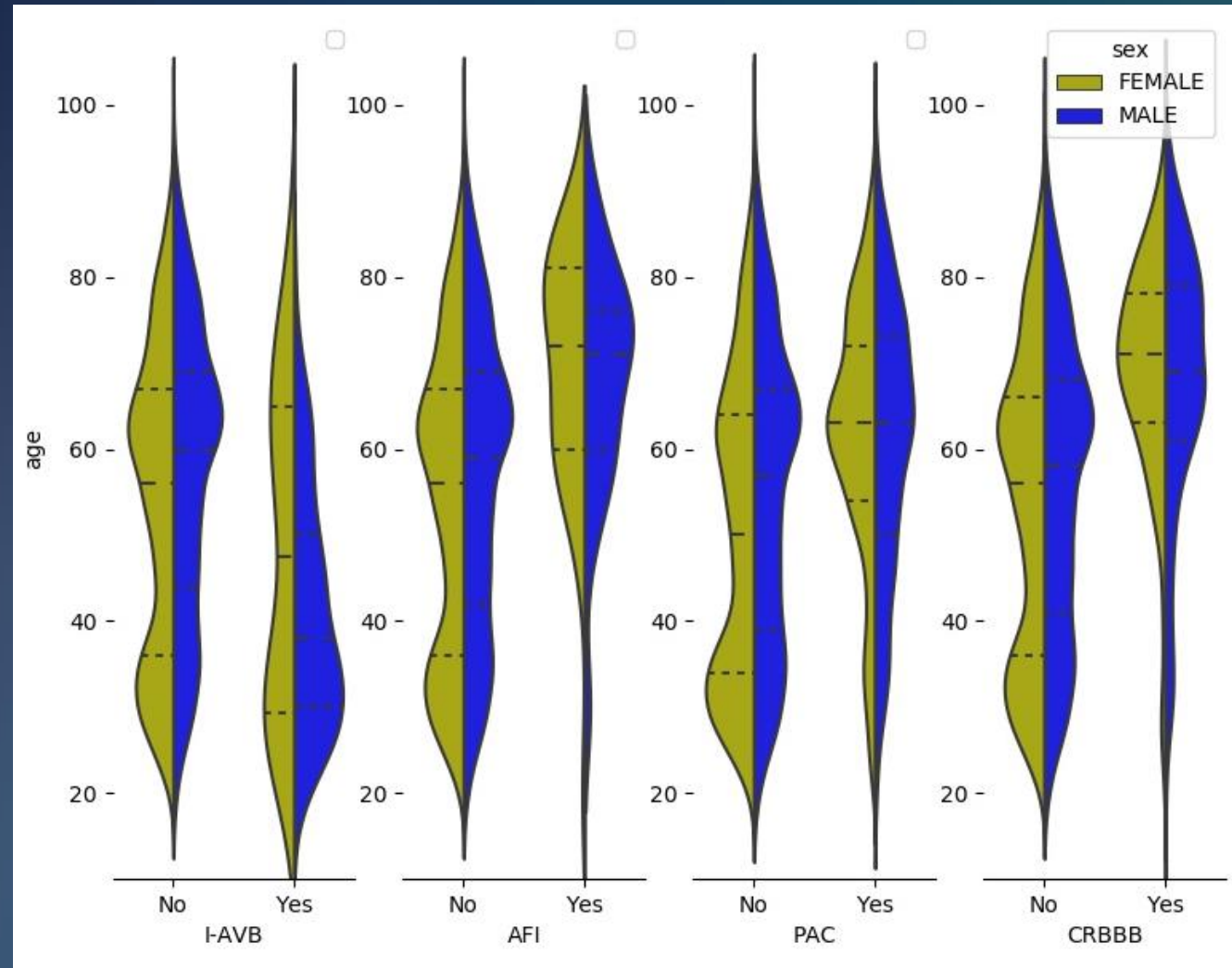


Question 1 label distribution in this dataset



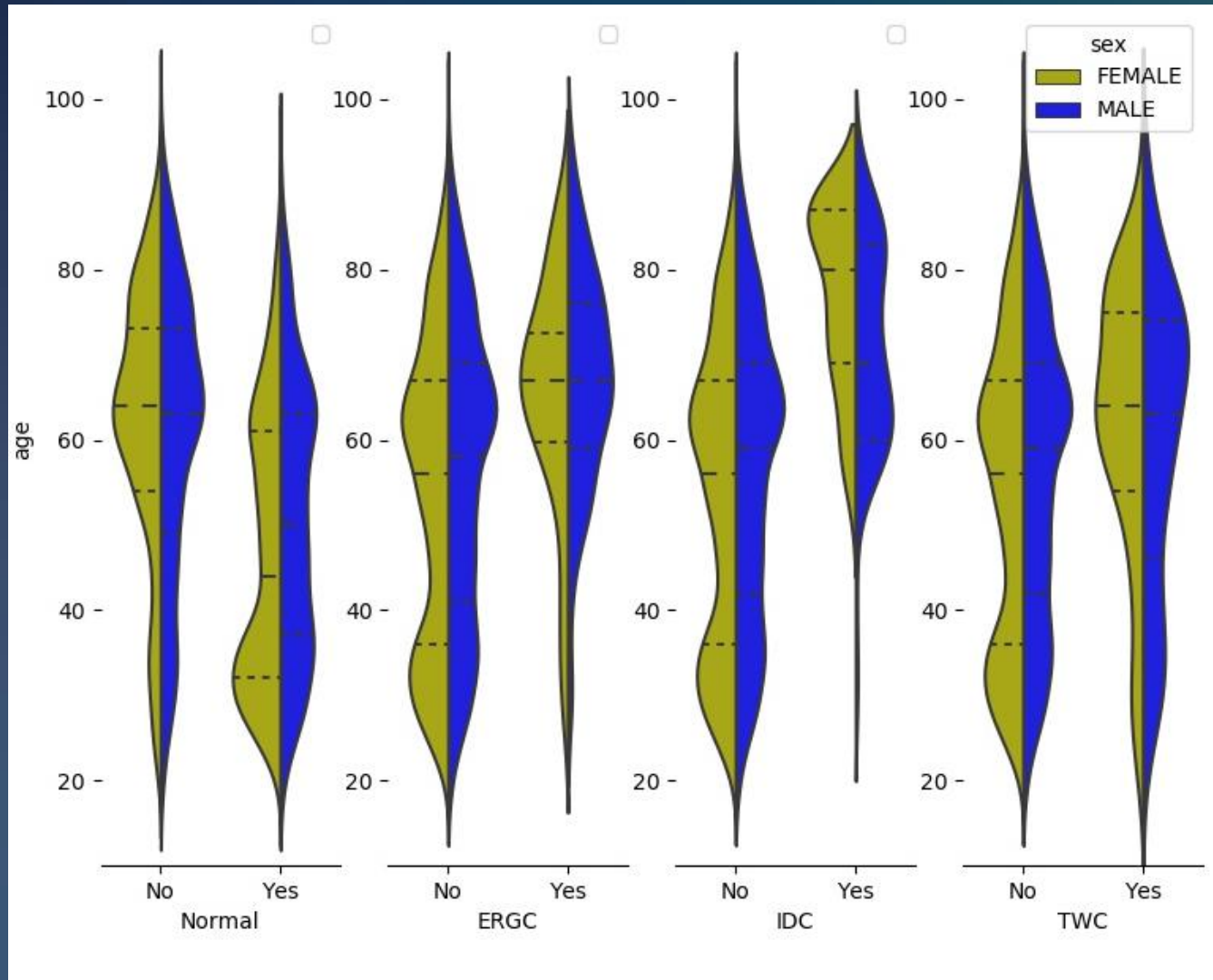


Question 2 Correlation between various diseases and gender and age



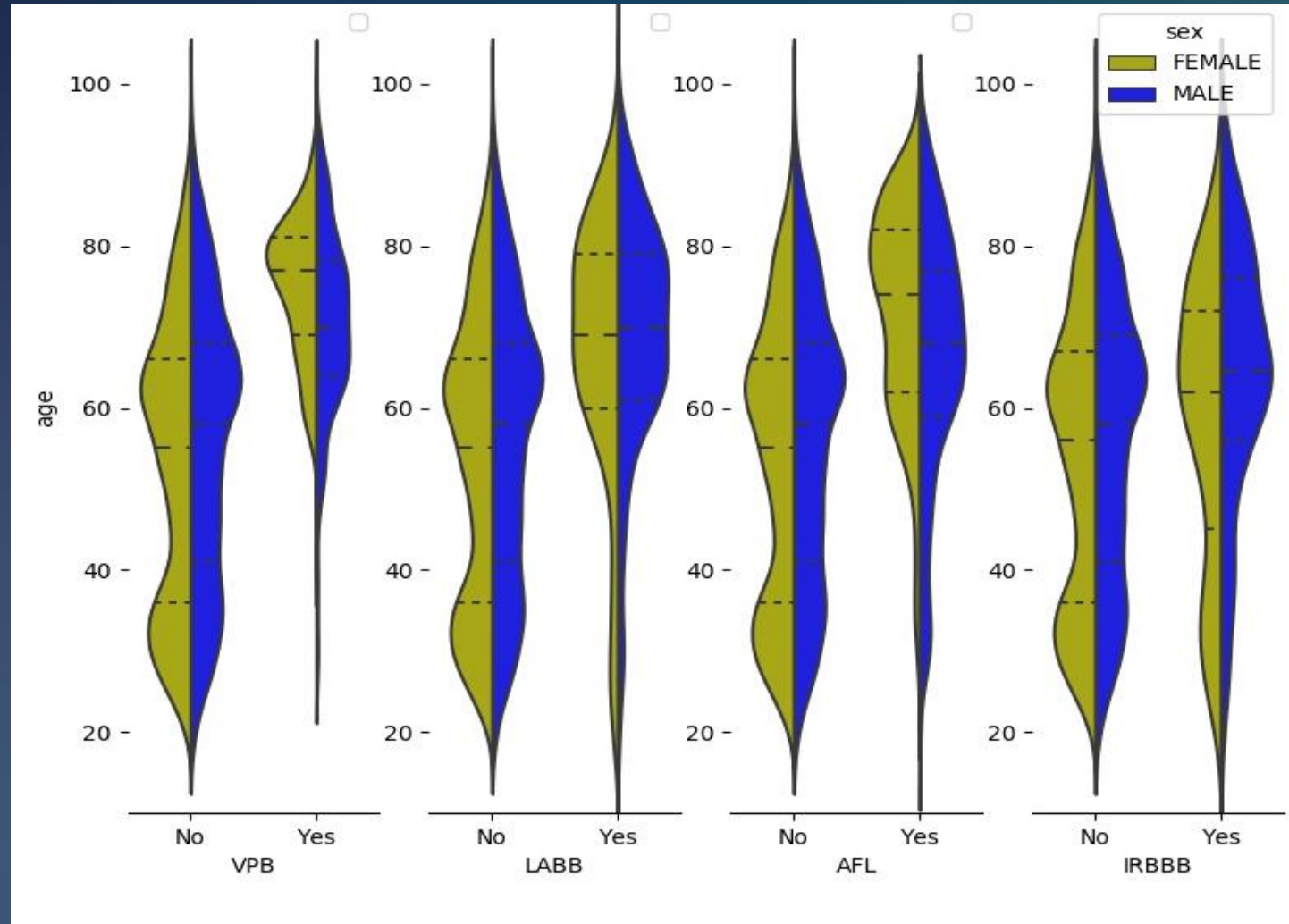


Question 2 Correlation between various diseases and gender and age





Question 2 Correlation between various diseases and gender and age





Question 3 Correlation between various diseases and diseases

	age	Normal	ERGC	IDC	TWC	I-AVB	AFI	PAC	CRBBB	VPB	LABB	AFL	IRBBB
age	1	-0.3671	0.08809	0.09346	0.06186	-0.12884	0.05298	0.23097	0.15809	0.20367	0.15112	0.16878	0.07699
Normal	-0.3671	1	-0.13357	-0.09165	-0.18374	-0.1754	-0.06798	-0.63919	-0.20714	-0.20267	-0.20226	-0.22751	-0.21231
ERGC	0.08809	-0.13357	1	0.00918	0.02586	-0.02342	0.01394	-0.02357	0.02724	0.00894	-0.00095	0.10824	0.0004
IDC	0.09346	-0.09165	0.00918	1	0.0148	-0.01607	0.01039	0.03932	-0.01898	-0.01857	-0.01853	0.03374	-0.01392
TWC	0.06186	-0.18374	0.02586	0.0148	1	-0.02884	0.00451	-0.04074	0.00249	0.04401	-0.00164	-0.04179	0.00205
I-AVB	-0.12884	-0.1754	-0.02342	-0.01607	-0.02884	1	-0.01192	-0.10744	-0.00608	-0.03245	-0.02619	-0.03989	-0.02836
AFI	0.05298	-0.06798	0.01394	0.01039	0.00451	-0.01192	1	-0.00183	-0.01408	0.16082	0.11064	-0.00499	-0.01071
PAC	0.23097	-0.63919	-0.02357	0.03932	-0.04074	-0.10744	-0.00183	1	-0.02463	0.06023	-0.03883	-0.05532	-0.04088
CRBBB	0.15809	-0.20714	0.02724	-0.01898	0.00249	-0.00608	-0.01408	-0.02463	1	-0.04197	-0.00613	0.02307	0.00796
VPB	0.20367	-0.20267	0.00894	-0.01857	0.04401	-0.03245	0.16082	0.06023	-0.04197	1	-0.04098	0.03522	0.00092
LABB	0.15112	-0.20226	-0.00095	-0.01853	-0.00164	-0.02619	0.11064	-0.03883	-0.00613	-0.04098	1	0.0233	-0.00409
AFL	0.16878	-0.22751	0.10824	0.03374	-0.04179	-0.03989	-0.00499	-0.05532	0.02307	0.03522	0.0233	1	-0.01457
IRBBB	0.07699	-0.21231	0.0004	-0.01392	0.00205	-0.02836	-0.01071	-0.04088	0.00796	0.00092	-0.00409	-0.01457	1

Spearman Correlation Coefficient

