



# Heart Disease EDA Dashboard

## Dataset Preview

	age	sex	cp	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	slope	ca	thal
10	54	1	0	140	239	0	1	160	0	1.2	2	0	
11	48	0	2	130	275	0	1	139	0	0.2	2	0	
12	49	1	1	130	266	0	1	171	0	0.6	2	0	
13	64	1	3	110	211	0	0	144	1	1.8	1	0	
14	58	0	3	150	283	1	0	162	0	1	2	0	
15	50	0	2	120	219	0	1	158	0	1.6	1	0	
16	58	0	2	120	340	0	1	172	0	0	2	0	
17	66	0	3	150	226	0	1	114	0	2.6	0	0	
18	43	1	0	150	247	0	1	171	0	1.5	2	0	
19	69	0	3	140	239	0	1	151	0	1.8	2	2	

## Dataset Info

Shape: (303, 14)

Columns:

```
▼ [  
  0 : "age"  
  1 : "sex"  
  2 : "cp"  
  3 : "trestbps"  
  4 : "chol"  
  5 : "fbs"  
  6 : "restecg"  
  7 : "thalach"  
  8 : "exang"  
  9 : "oldpeak"  
 10 : "slope"
```

```
11 : "ca"  
12 : "thal"  
13 : "target"  
]
```

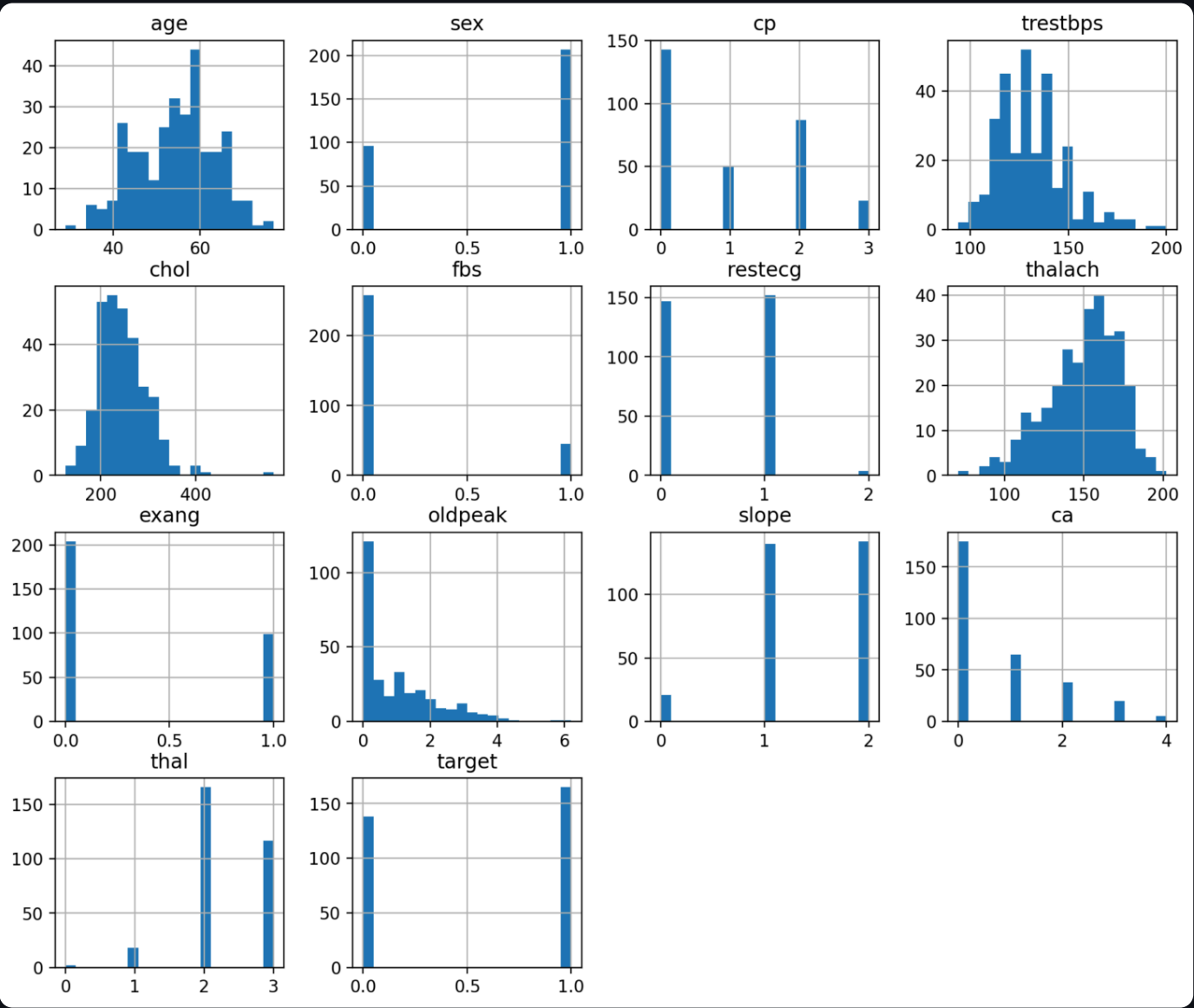
# Missing Values

	0
age	0
sex	0
cp	0
trestbps	0
chol	0
fbs	0
restecg	0
thalach	0
exang	0
oldpeak	0
.	

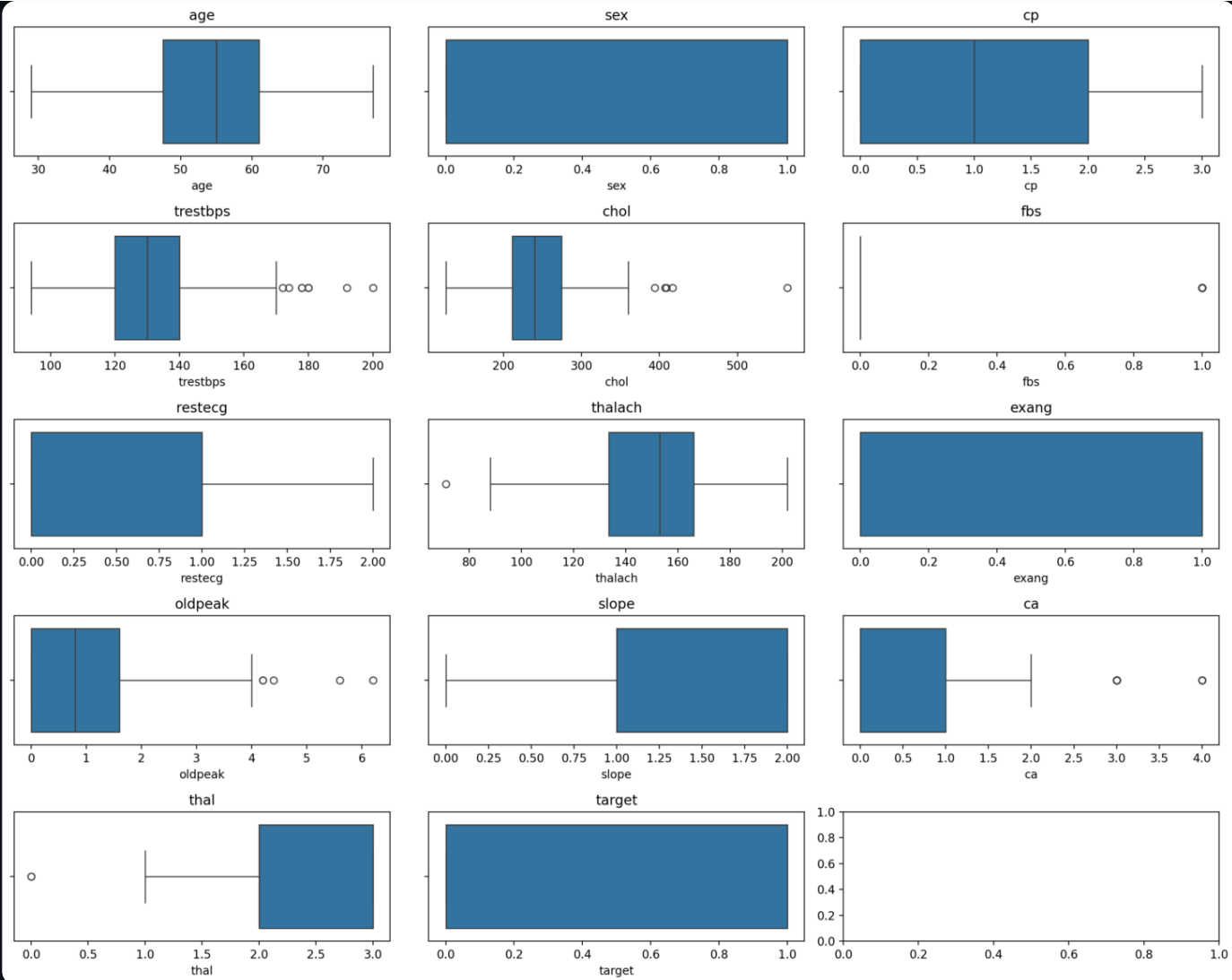
# Summary Statistics

	count	mean	std	min	25%	50%	75%	max
age	303	54.3663	9.0821	29	47.5	55	61	77
sex	303	0.6832	0.466	0	0	1	1	1
cp	303	0.967	1.0321	0	0	1	2	3
trestbps	303	131.6238	17.5381	94	120	130	140	200
chol	303	246.264	51.8308	126	211	240	274.5	564
fbs	303	0.1485	0.3562	0	0	0	0	1
restecg	303	0.5281	0.5259	0	0	1	1	2
thalach	303	149.6469	22.9052	71	133.5	153	166	202
exang	303	0.3267	0.4698	0	0	0	1	1
oldpeak	303	1.0396	1.1611	0	0	0.8	1.6	6.2
.								

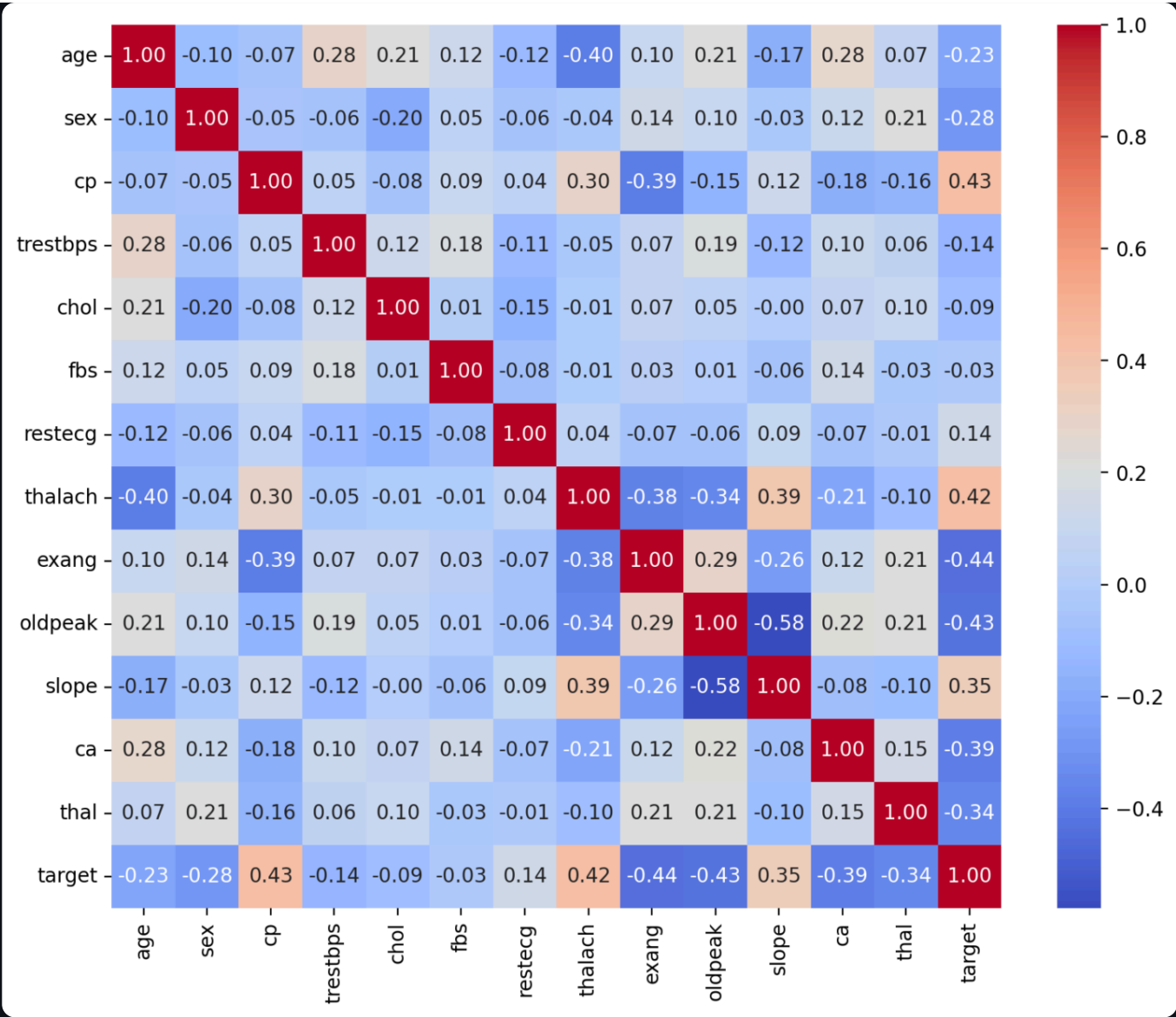
# Distributions of Numerical Features



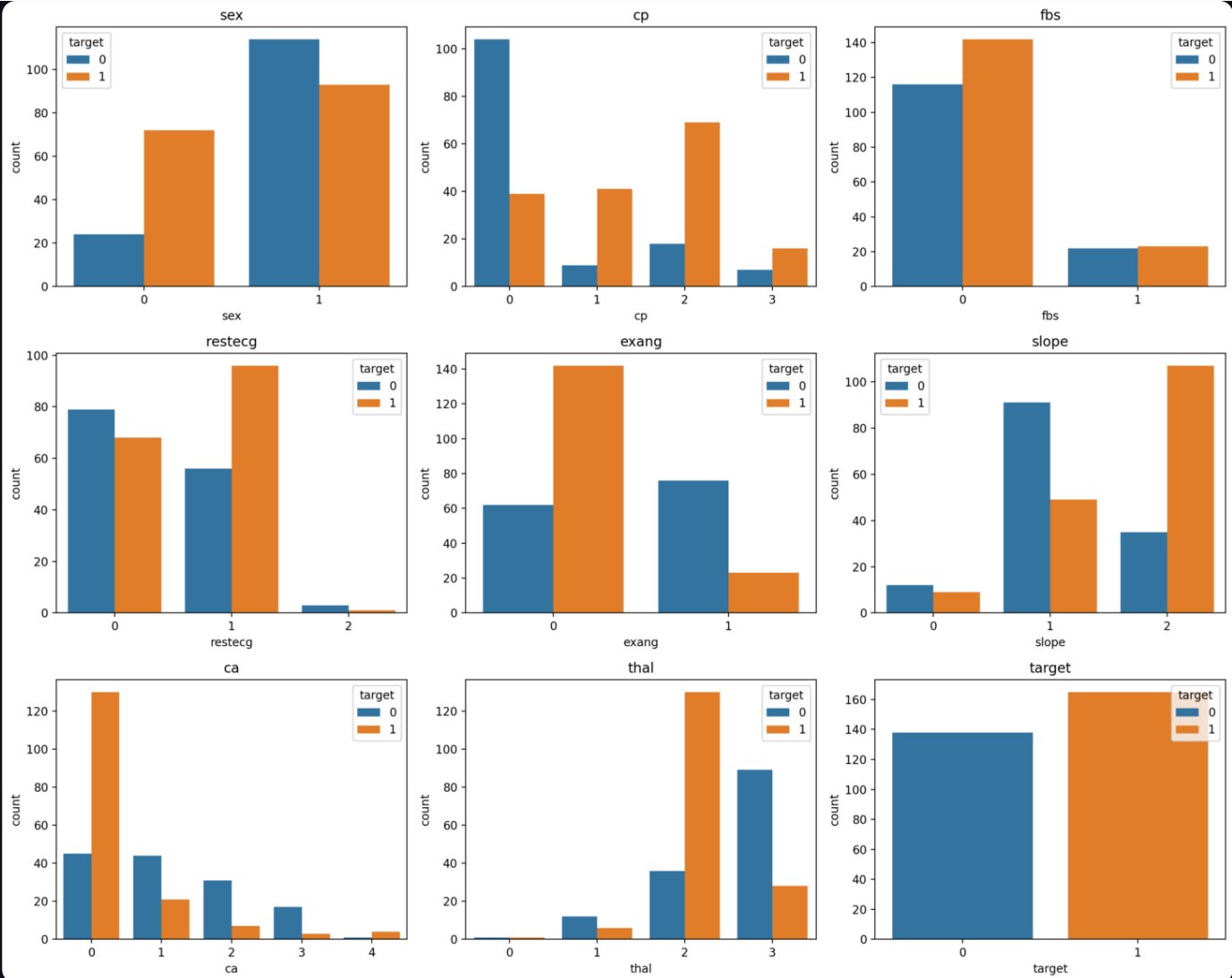
# Boxplots of Numerical Features



# Correlation Heatmap



# Categorical Feature Distributions



## Insights

- Dataset has **no missing values**.
- Features like **cp**, **thalach**, **oldpeak** strongly correlate with target.
- Some features are categorical ( **sex**, **cp**, **fbs**, **restecg**, **exang**, **slope**, **ca**, **thal** ).
- Target distribution is fairly balanced.