1) Age

Age class	Count of Age class
40 & Below	7
76-80	12
80 & Above	18
71-75	22
41-45	30
46-50	37
66-70	37
51-55	38
61-65	48
56-60	50

Sheet 2

Count of Age class for each Age class. Color shows details about Age class. The marks are labeled by count of Age class. Details are shown for Age class.
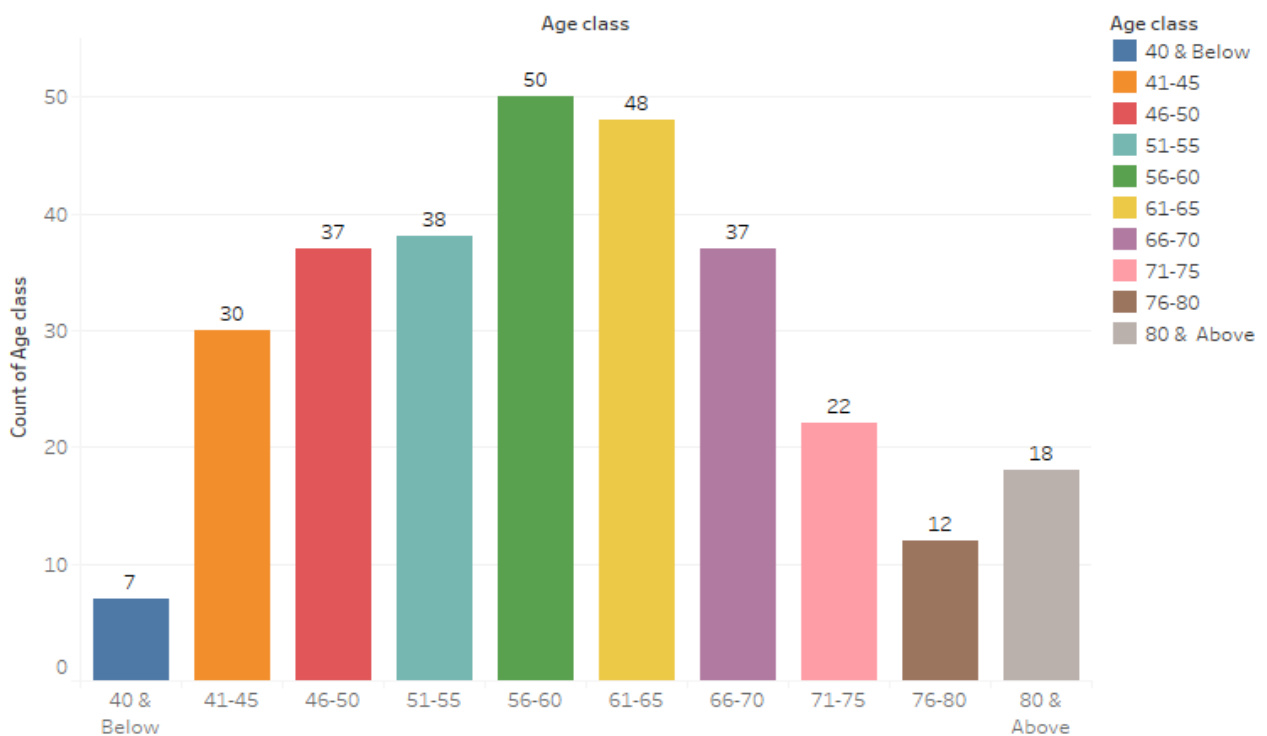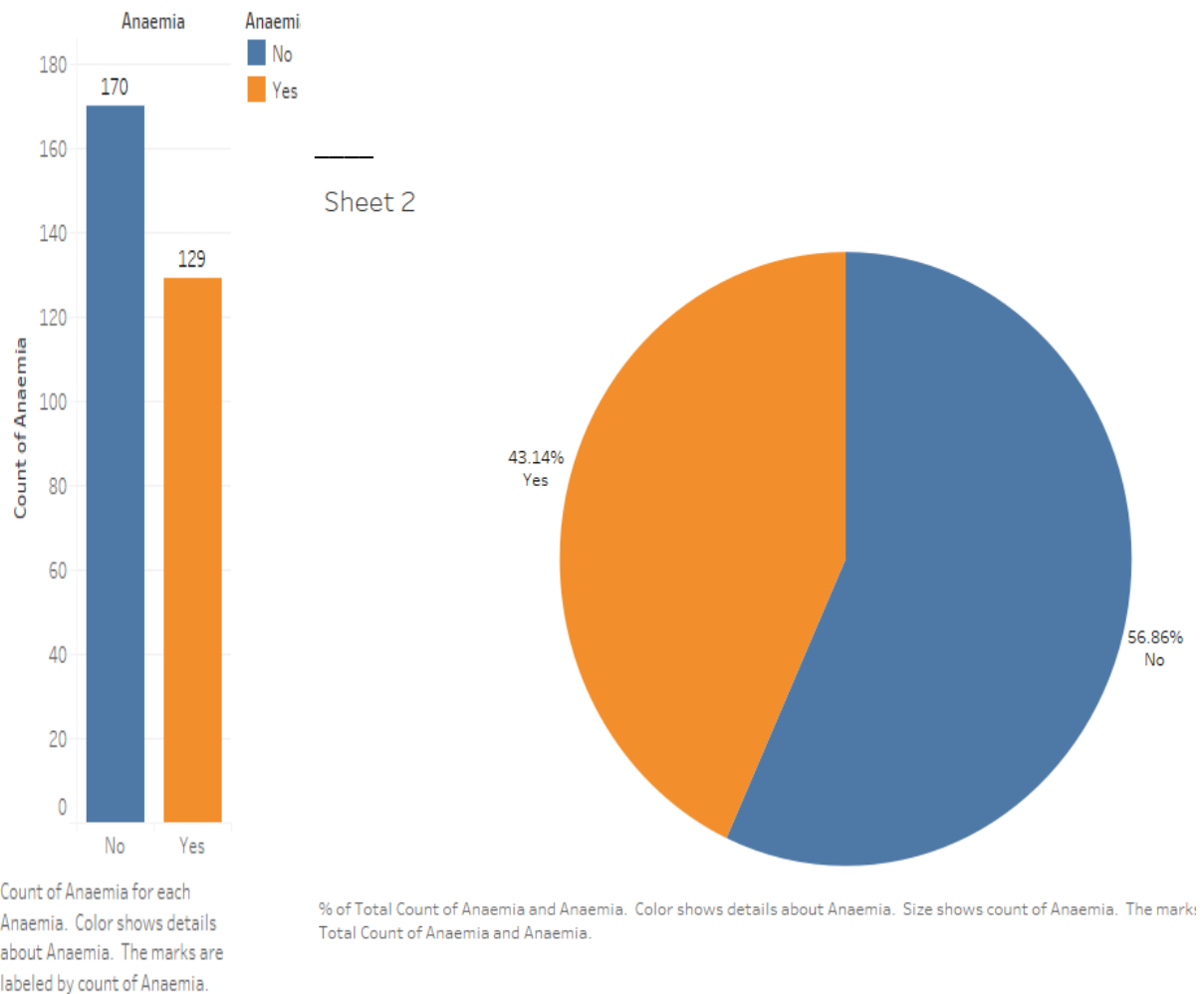
Interpretation:-in this bar plot we can see that highest 50 patients out of 299 patients comes from age group 56 to 60 and second highest 48 patients out of 299 comes from age group 61 to 65.the lowest number of patients are 40 and below age group.

2) Anemia

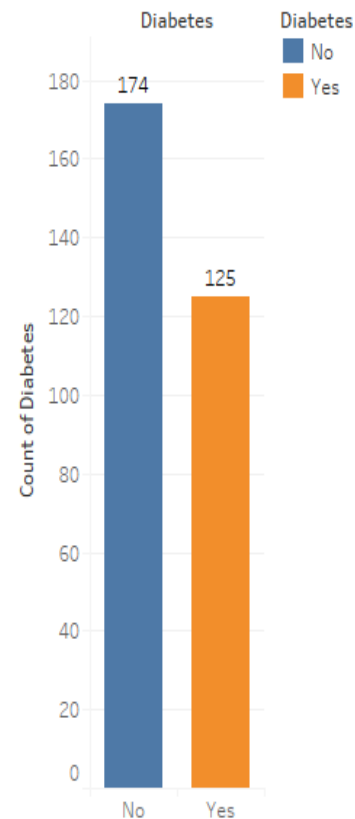| Anemia	Count of Anemia
Yes	129
No	170

Sheet 2

Sheet 2

Count of Anaemia for each Anaemia. Color shows details about Anaemia. The marks are labeled by count of Anaemia.

% of Total Count of Anaemia and Anaemia. Color shows details about Anaemia. Size shows count of Anaemia. The mark: Total Count of Anaemia and Anaemia.

Interpretation: From this bar plot we can see that there are 170 patients out of 299 are no anemia present and 129 patients out of 299 are anemia patients. Also from pie chart we can see that 56.86% out of 100 patients those have no anemia and 43.14% out of 100 are anemia patients.
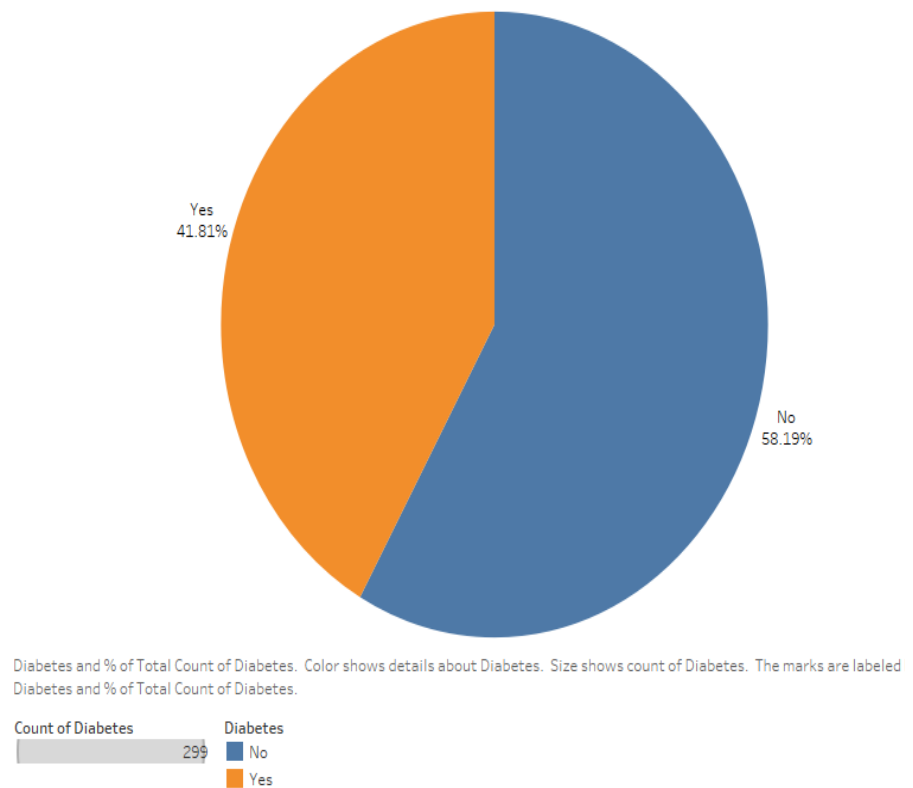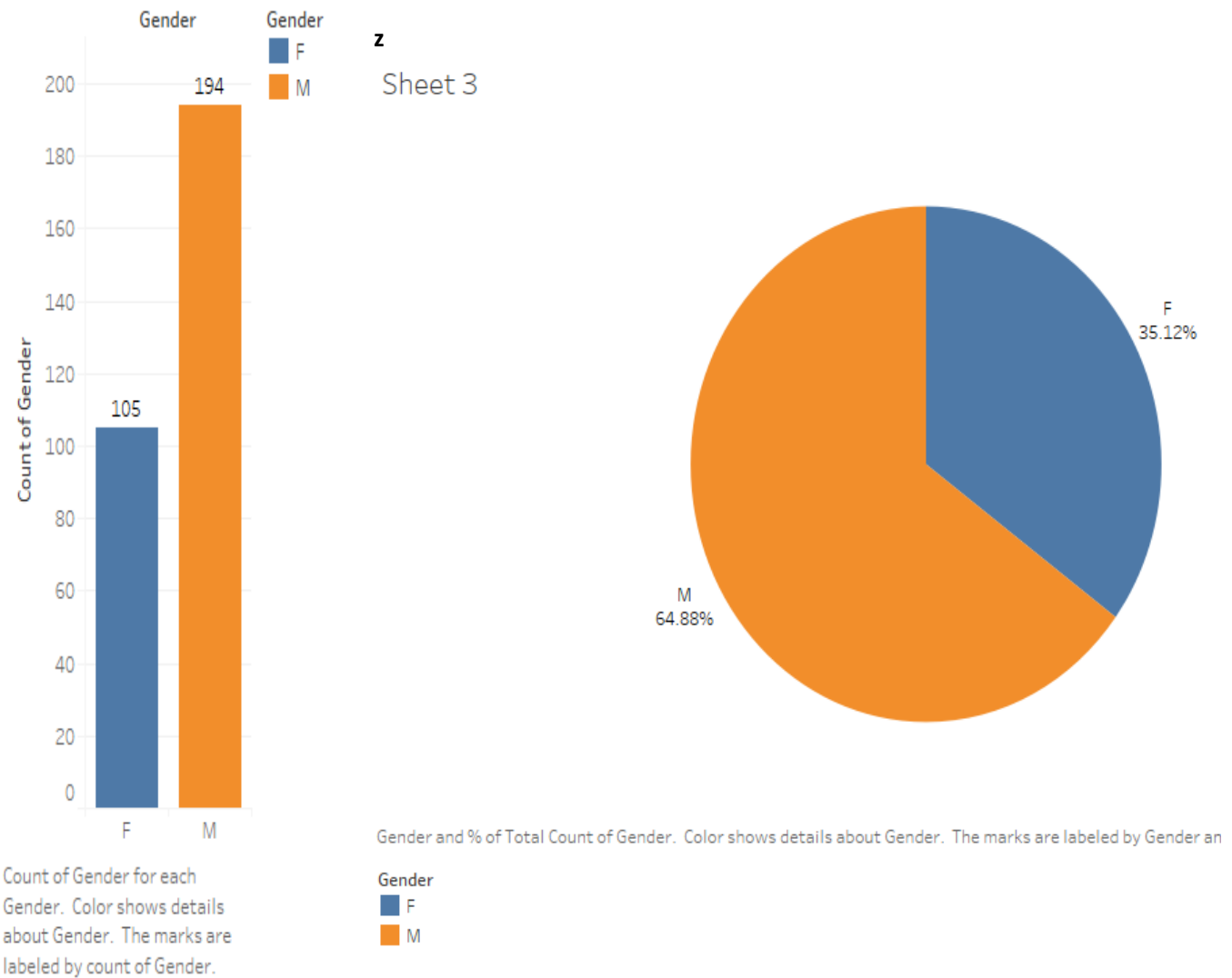
3) Diabetes

Diabetes	Count of Diabetes
Yes	125
No	174

Sheet 3

Count of Diabetes for each Diabetes. Color shows details about Diabetes. The marks are labeled by count of Diabetes.

Sheet 3

Diabetes and % of Total Count of Diabetes. Color shows details about Diabetes. Size shows count of Diabetes. The marks are labeled Diabetes and % of Total Count of Diabetes.

Interpretation: From this bar plot we can see that there are 174 patients out of 299 are no diabetes present and 125 patients out of 299 are diabetes patients. Also from pie chart we can see that 58.19% out of 100 patients those have no diabetes and 41.81% out of 100 are diabetes patients

4) Gender

| Gender	Count of Gender
F	105
M	194

Sheet 3

Count of Gender for each Gender. Color shows details about Gender. The marks are labeled by count of Gender.

Gender and % of Total Count of Gender. Color shows details about Gender. The marks are labeled by Gender an

Gender
F
M

Interpretation: From this bar plot we can see that there are 105 patients out of 299 are Female patients present and 194 patients out of 299 are Male patients. Also from pie chart we can see that 35.12% out of 100 patients those have Female and 64.88 % out of 100 are Male patients
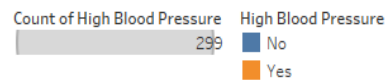
5) High Blood Pressure

| High Blood Pressure	Count of High Blood Pressure
Yes	105
No	194
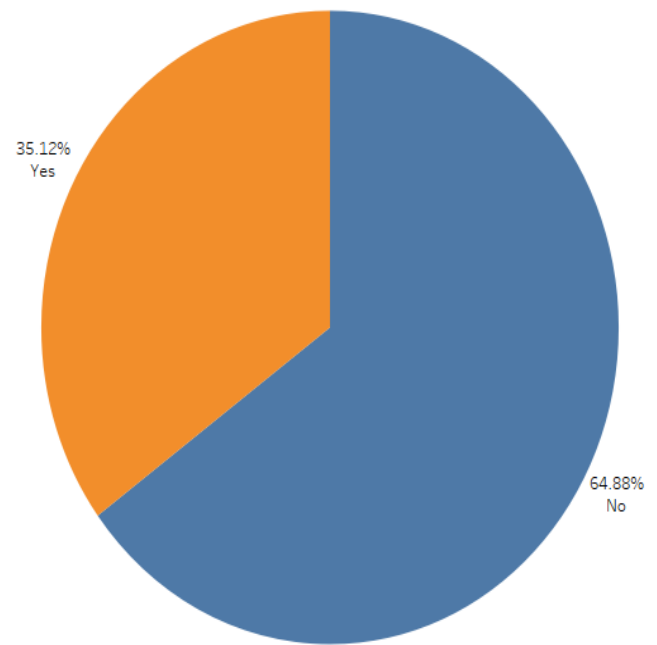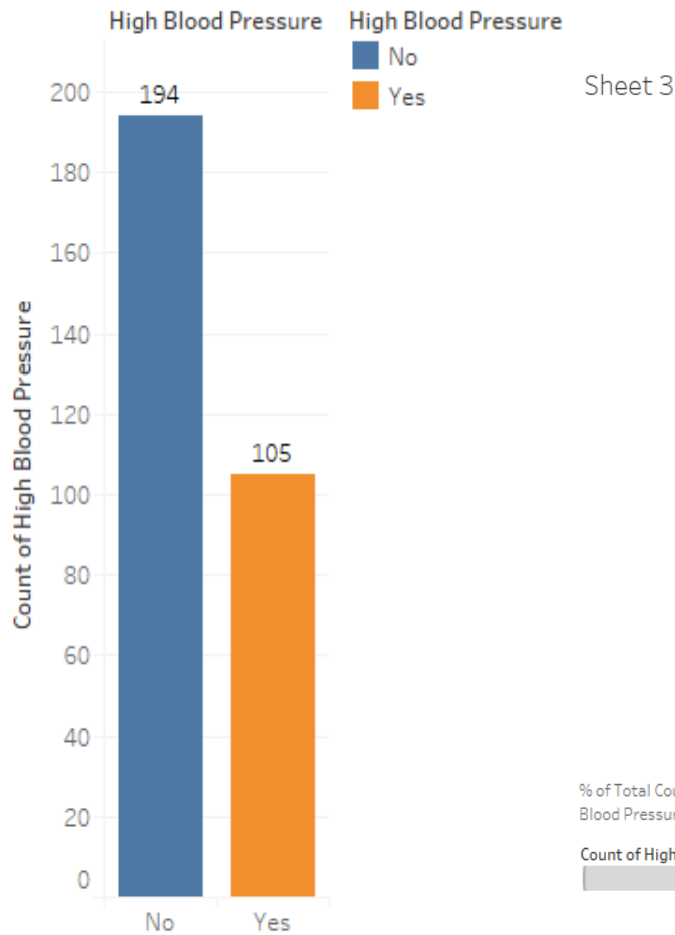
Count of High Blood Pressure for each High Blood Pressure. Color shows details about High Blood Pressure. The marks are labeled by count of High Blood Pressure.

Interpretation: From this bar plot we can see that there are 194 patients out of 299 are no High Blood Pressure present and 105 patients out of 299 are High Blood Pressure patients. Also from pie chart we can see that 64.88% out of 100 patients those have no High Blood Pressure and 35.12% out of 100 are High Blood Pressure patients

6) Smoking

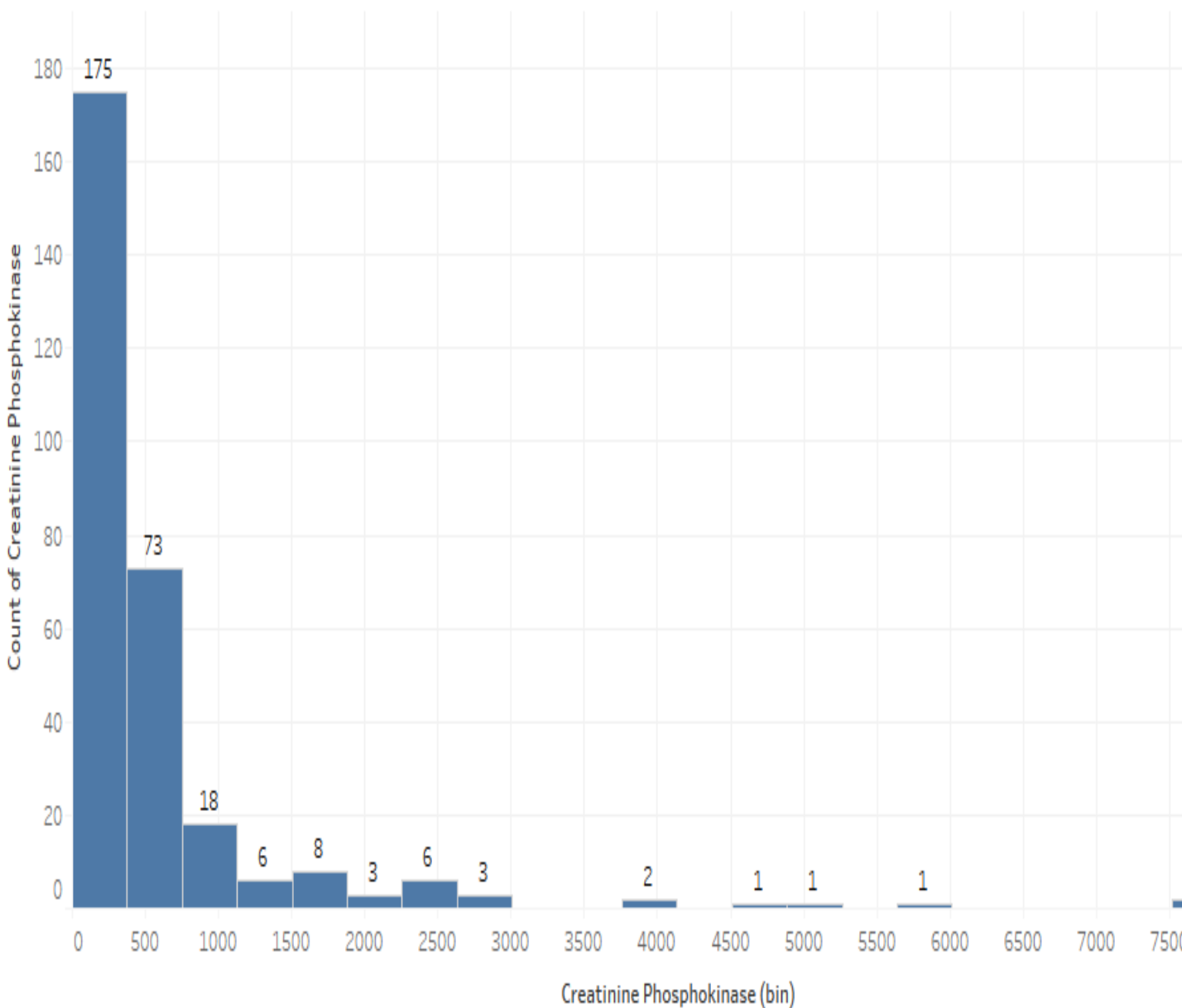| Smoking	Count of Smoking
Yes	96
No	203
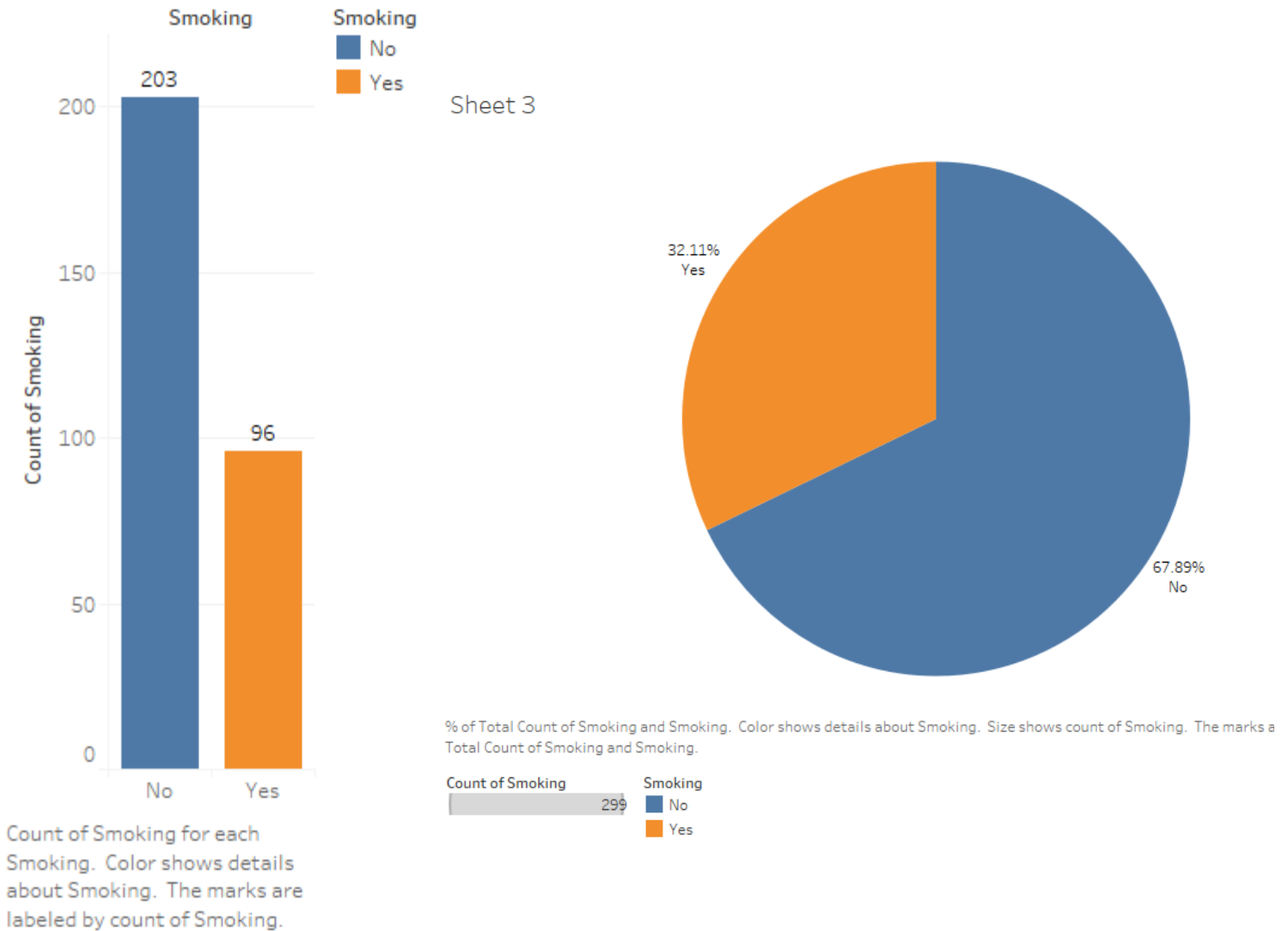
Interpretation: From this bar plot we can see that there are 203 patients out of 299 are no smoking present and 96 patients out of 299 are smoking patients. Also from pie chart we can see that 67.89% out of 100 patients those have no smoking and 32.11% out of 100 are smoking patients

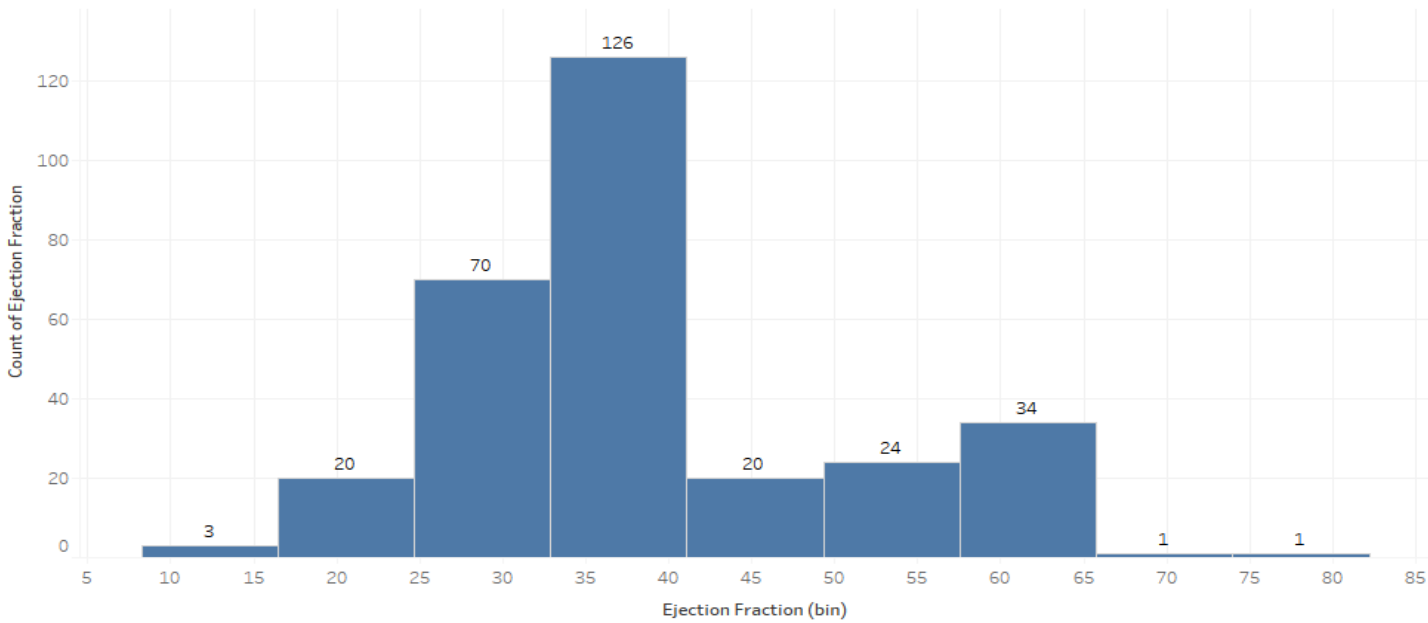## 7) Creatinine phosphokinase

Sheet 2

The trend of count of Creatinine Phosphokinase for Creatinine Phosphokinase (bin). The marks are labeled by count of Creatinine Phosphokinase.

Interpretation: - From the histogram we can see that there highest 175 out of 299 patients those are Creatinine phosphokinase level is 0 to 500 range.
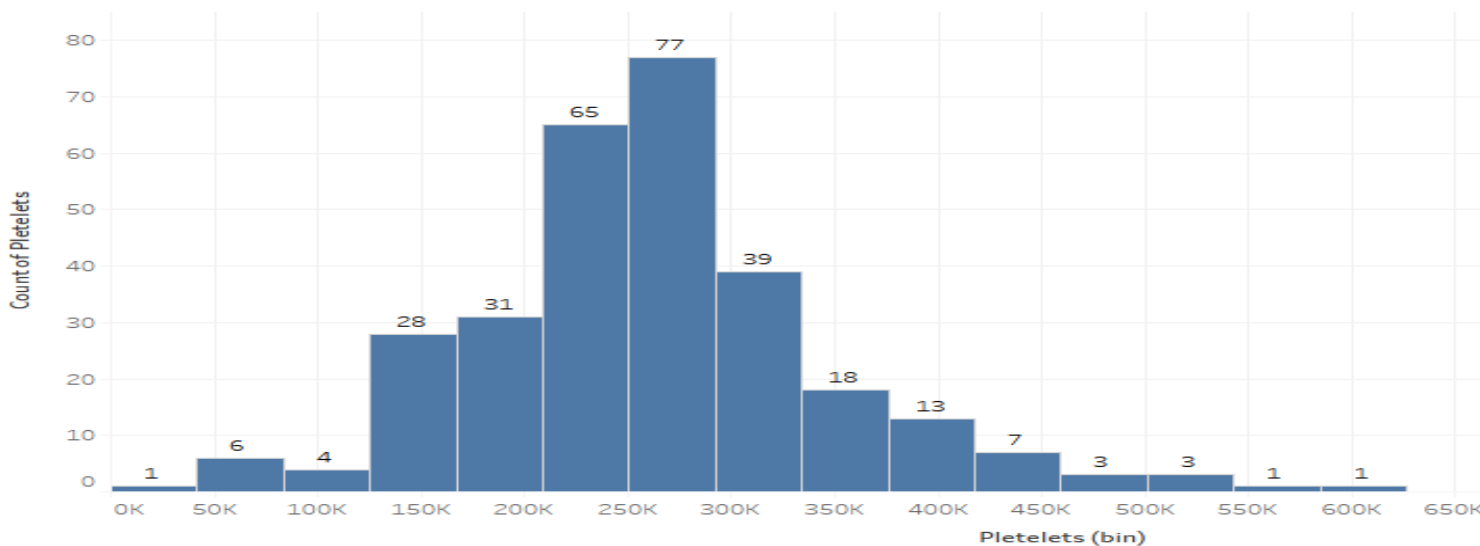
8) Ejection_Fraction

Sheet 2

The trend of count of Ejection Fraction for Ejection Fraction (bin). The marks are labeled by count of Ejection Fraction.

Interpretation:-from the histogram we can see that there are highest 126 patients ejection fraction level is 35 to 40 range.
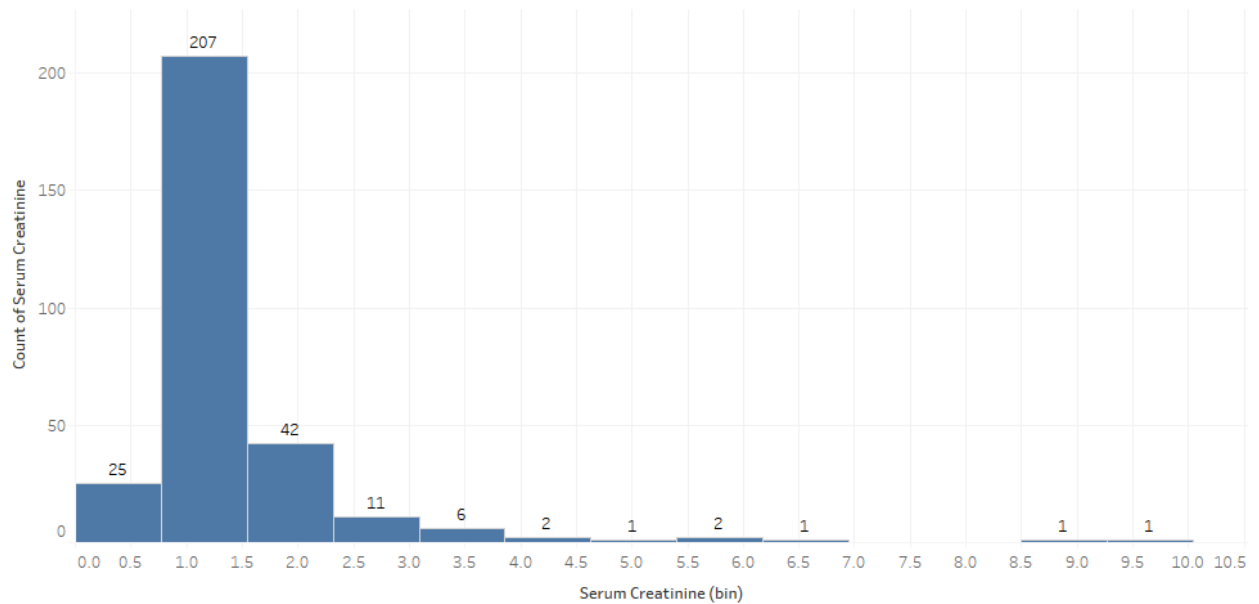
9) Platelets

Sheet 2

The trend of count of Pletelets for Pletelets (bin). The marks are labeled by count of Pletelets.

Interpretation:- from the histogram we can see that there are highest 77 patients Platelets level is 250k to 300k range.
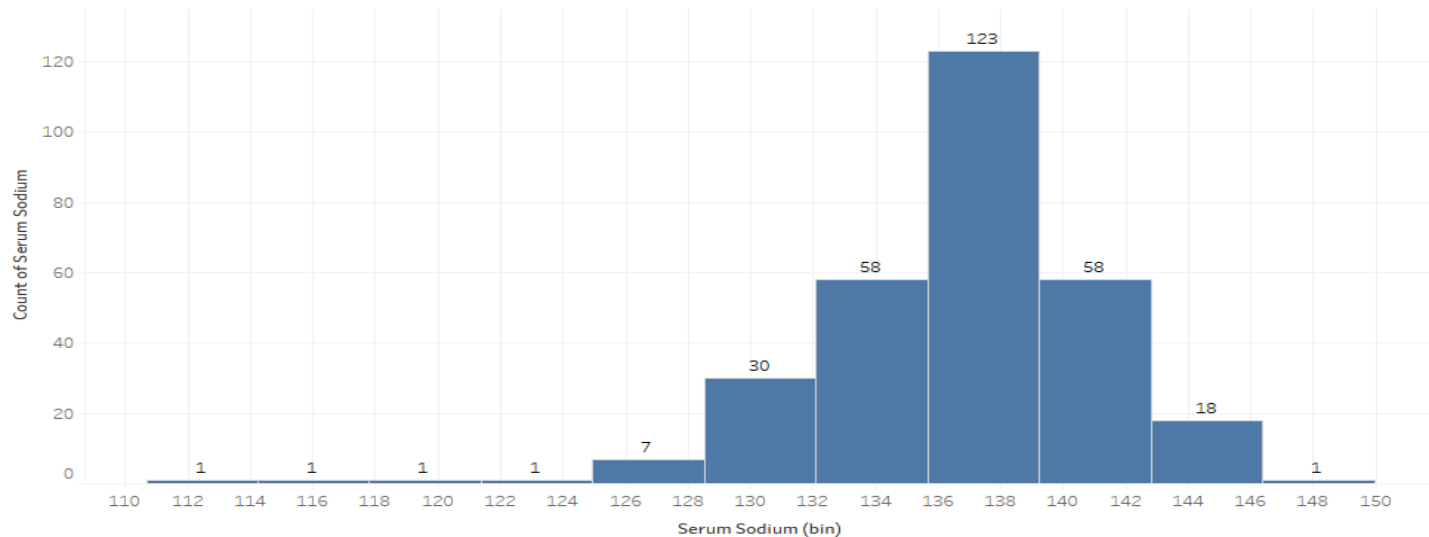
10) Serum Creatinine

Sheet 3

The trend of count of Serum Creatinine for Serum Creatinine (bin). The marks are labeled by count of Serum Creatinine.

Interpretation:- from the histogram we can see that there are highest 207 patients Serum Creatinine level is 10 to 15 range

10 Serum Sodium

Sheet 3

The trend of count of Serum Sodium for Serum Sodium (bin). The marks are labeled by count of Serum Sodium.

Interpretation:- from the histogram we can see that there are highest 123 patients serum sodium level is 136 to 139 range.
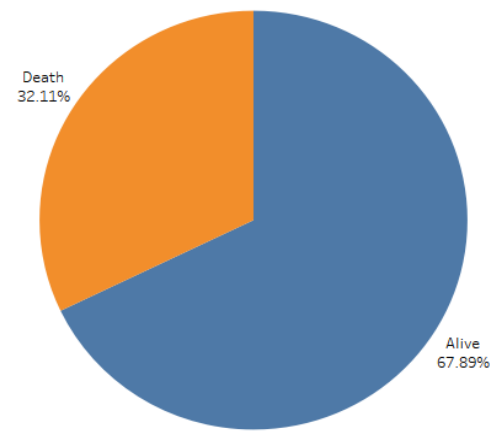
11 Death Event

Death Event	Count of Death Event
Death	96
Alive	203

Sheet 3

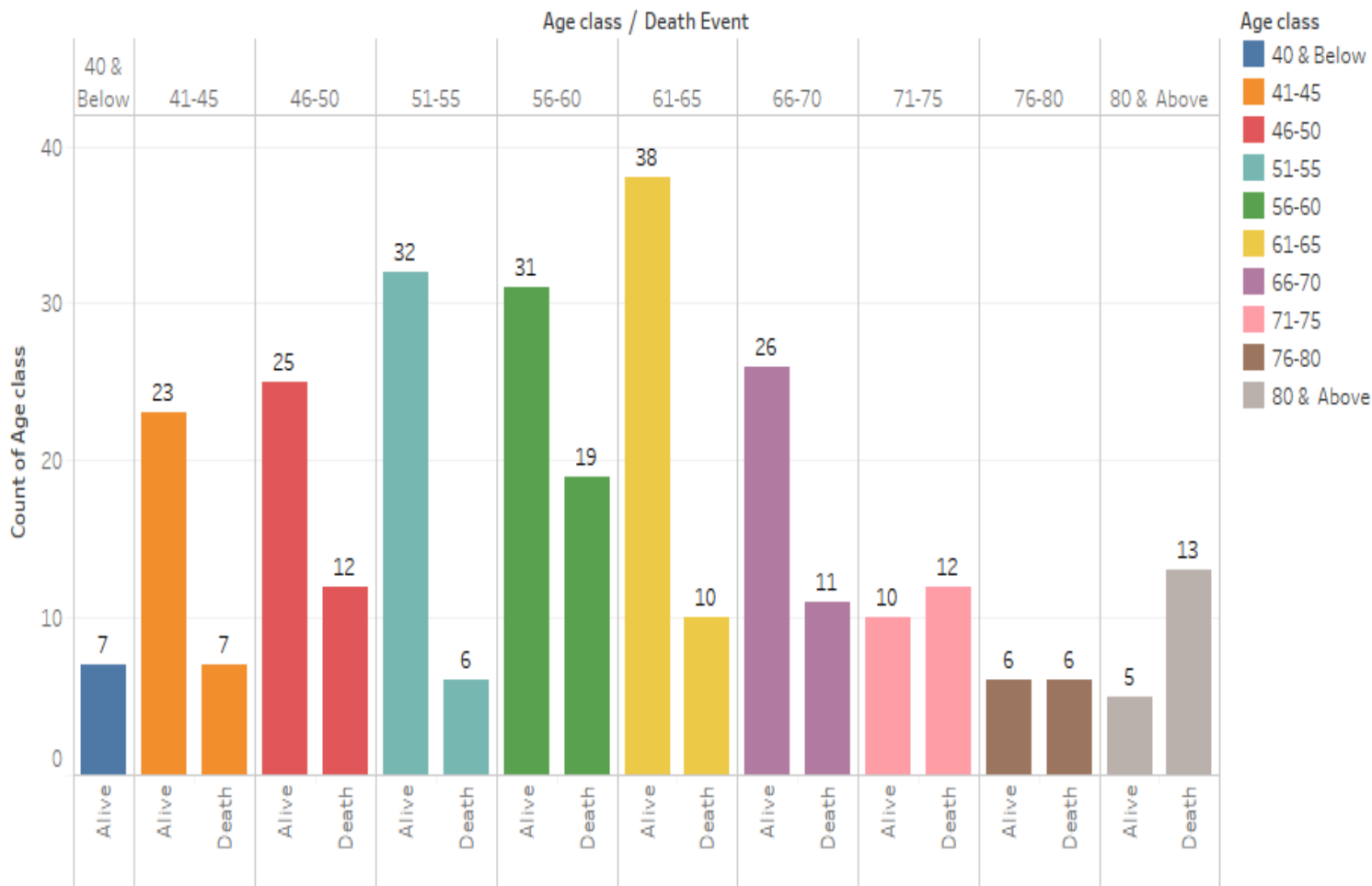Count of Death Event for each Death Event. Color shows details about Death Event. The marks are labeled by count of Death Event.
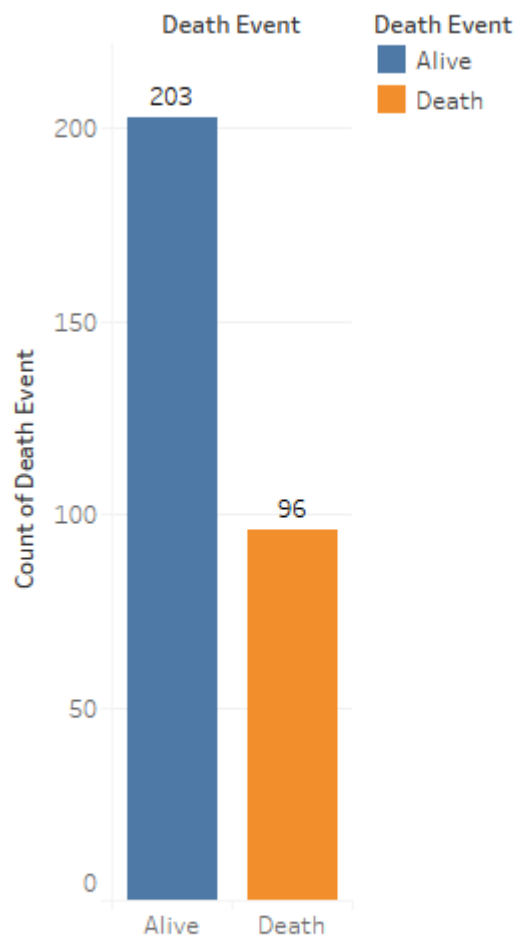
Sheet 3

Death Event and % of Total Count of Death Event. Color shows details about Death Event. The marks are labe Count of Death Event.

Interpretation: From this bar plot we can see that there are 203 patients out of 299 are Alive and 96 patients out of 299 are Death patients. Also from pie chart we can see that 67.89% out of 100 patients those have Alive and 32.11% out of 100 are Death patients

- **Bivariate graph**
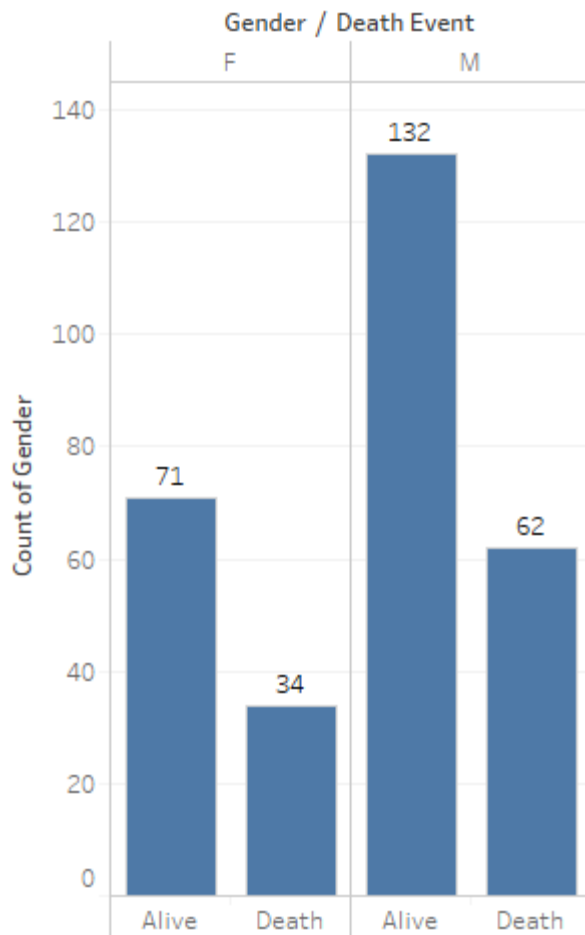
1) **Age & Death Event**

Sheet 4

Count of Age class for each Death Event broken down by Age class. Color shows details about Age class. The marks are labeled by count of Death Event.

Interpretation:- We selected age wise selection for Death Event we can see that in multiple bar plot the highest alive patients in age group 61 to 65 total 38 patients out of 48 and highest death patients in age group 56 to 60 total 19 patients out of 50.
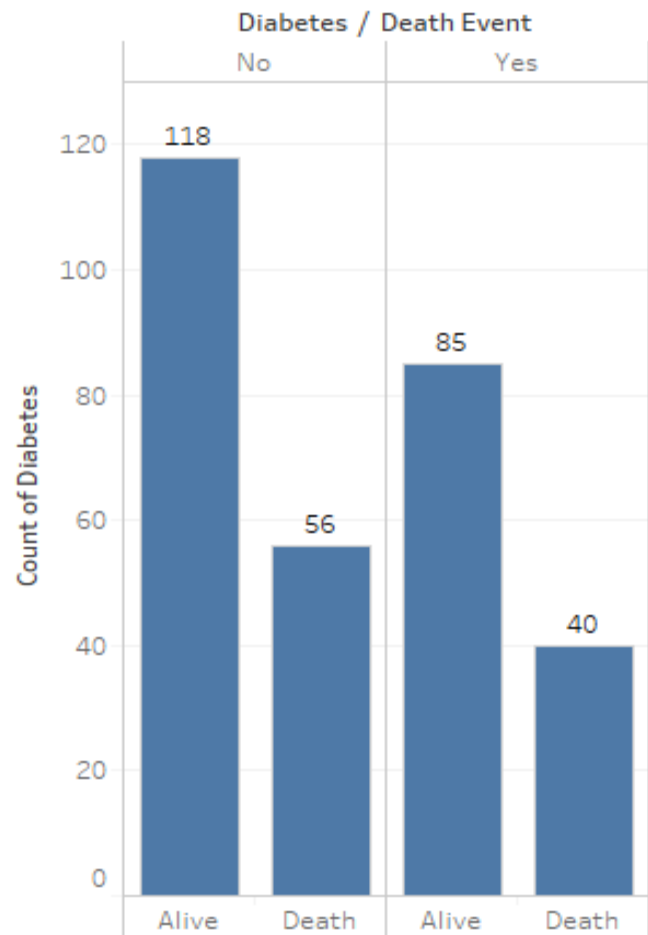
2) Gender vs Death Event & Diabetes vs Death Event

Sheet 1

Gender / Death Event

Count of Gender for each Death Event broken down by Gender. The marks are labeled by count of Death Event. Details are shown for Death Event.
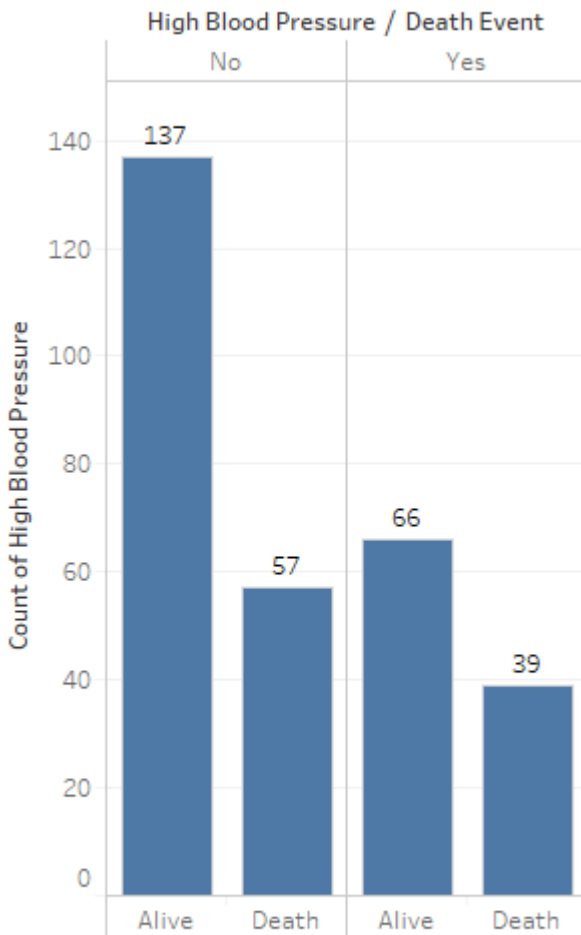
Sheet 1

Diabetes / Death Event

Count of Diabetes for each Death Event broken down by Diabetes. The marks are labeled by count of Death Event. Details are shown for Death Event.

Interpretation:

i) Gender vs Death Event: - We selected gender wise selection for Death Event we can see that in multiple bar plot for gender female there are 71 alive and 34 death patients and for gender male there are 132 alive and 62 death patients.

ii) Diabetes vs Death Event:- We selected Diabetes wise selection for Death Event we can see that in multiple bar plot for no diabetes of patients are 118 alive & 56 death and those have diabetes 85 alive & 40 death patients.
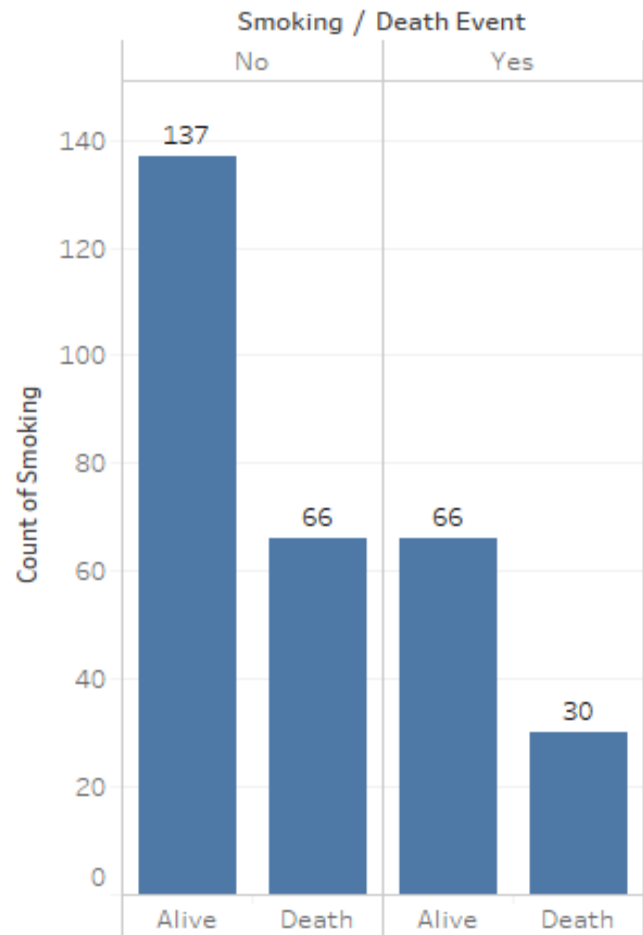
3) High Blood Pressure vs Death Event & Smoking vs Death Event

Sheet 1

Count of High Blood Pressure for each Death Event broken down by High Blood Pressure. The marks are labeled by count of Death Event. Details are shown for Death Event.

Sheet 1

Count of Smoking for each Death Event broken down by Smoking. The marks are labeled by count of Death Event.

Interpretation:

i) High Blood Pressure vs Death Event: - We selected High Blood Pressure wise selection for Death Event we can see that in multiple bar plot for no High Blood Pressure of patients are 137 alive & 57 death and those have High Blood Pressure 66 alive & 39 death patients.

ii) Smoking vs Death Event:- We selected Smoking wise selection for Death Event we can see that in multiple bar plot for no Smoking of patients are 137 alive & 66 death and those have Smoking 66 alive & 30 death patients.