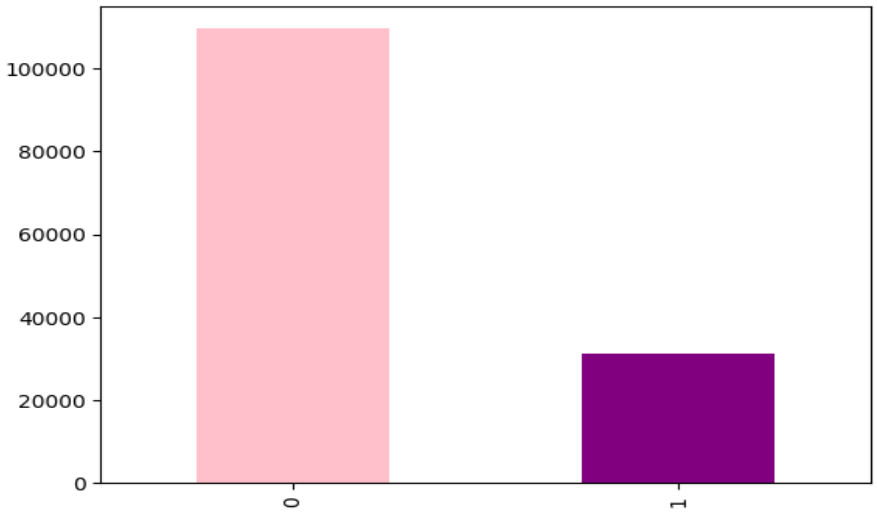
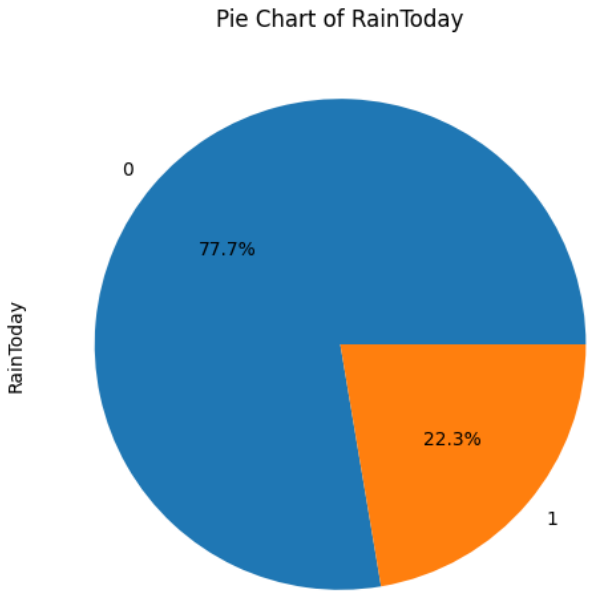
Univariate Analysis:

- **Bar Chart -RainTomorrow**



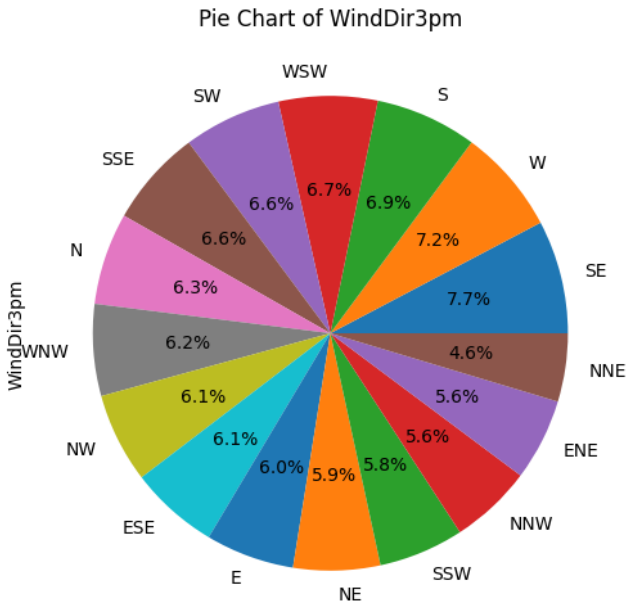
0 represents “YES there will be rain tomorrow” and 1 represents “NO rain tomorrow”. In more than 100000 records there is rain tomorrow and in more than 20000 no rain tomorrow.

- **Pie Chart -Rain Today**



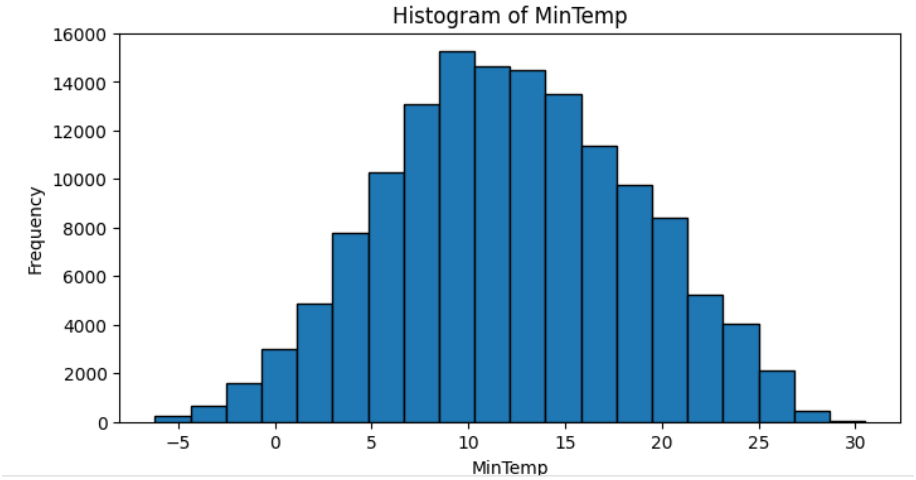
Blue portion represents that in records there are 77.7% chances of rain today and the orange portion represents that in records there are 22.3% chances of no rain today.

- **Pie Chart-Wind Direction at 3pm**



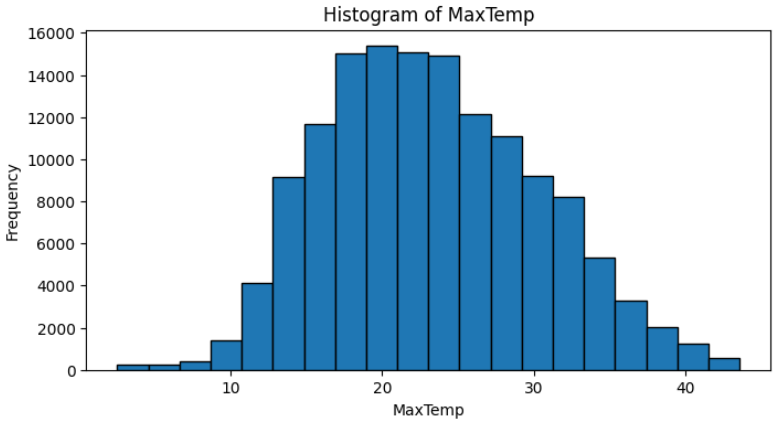
There are different rations that represent the direction of wind at different 3pm in different directions like NE north east.
6.9% wind blows in south direction at 3pm.

- **Histogram - Min Temp**



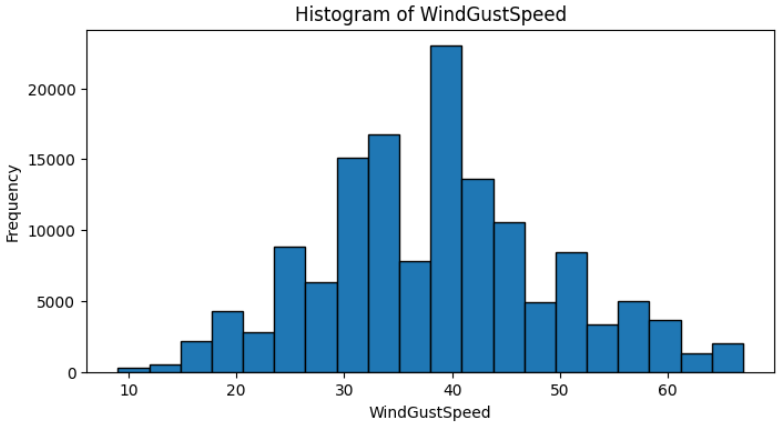
It represents that the data of column Min Temp is normally distributed,showing a curve,no outlier exists.

- **Histogram - max Temp**



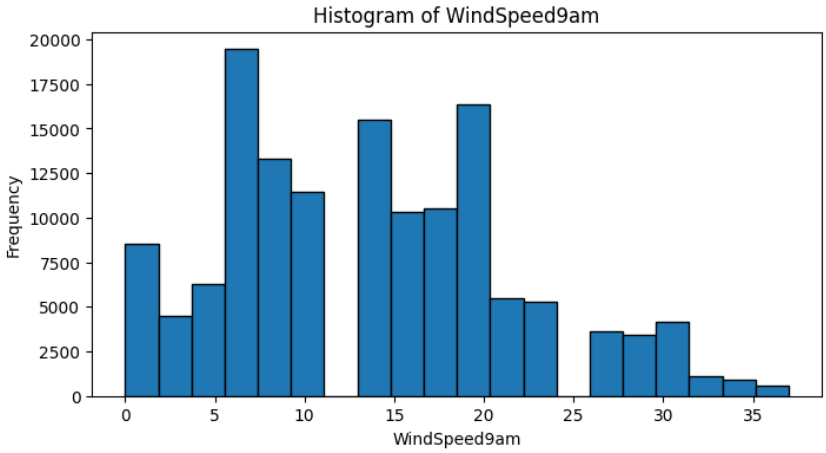
It represents that the data of column Max Temp is normally distributed,showing a curve,no outlier exists.

- **Histogram - Gusty Wind Speed**



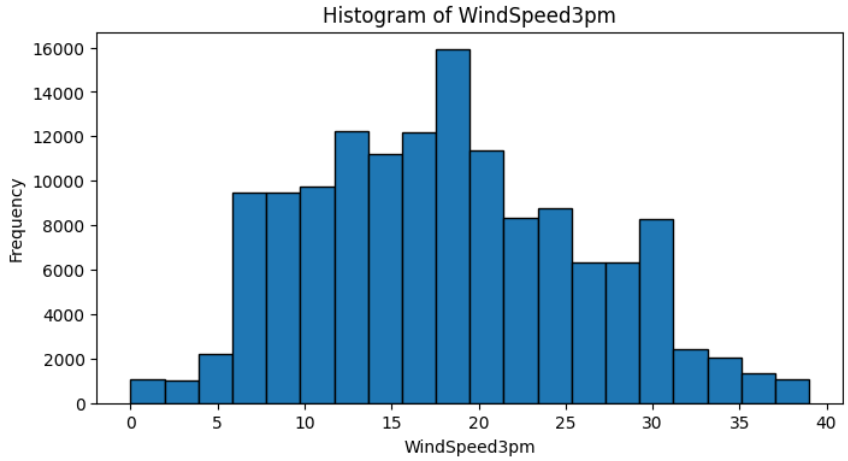
It represents the data of column Gusty Wind Speed varying from 10 km/hr to 70 km/hour.Most of the time about more than 20000 the speed of wind is at 40km/hr.

- **Histogram - Wind speed at 9am**



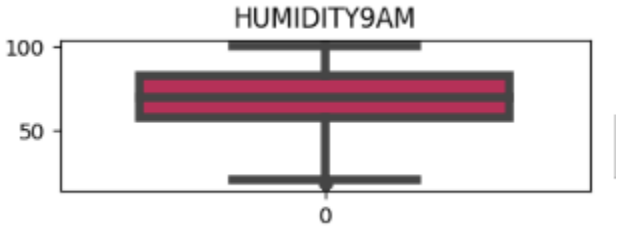
It represents the data of Speed varying from 0 to 35 km/hour.Most of the time about more than 20000 the speed of wind at 9am is between 5 and 10 km/hr in different directions.

- **Histogram -wind speed at 3pm**



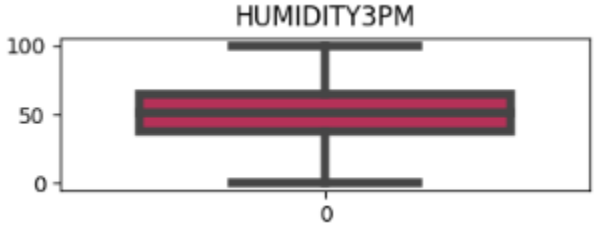
It represents the data of Speed shows a curve and varying from 0 to 40 km/hour.Most of the time about more than 14000 the speed of wind at 3pm is between 15 and 20 km/hr in different directions.

- **Box plot -Humidity st 9am**



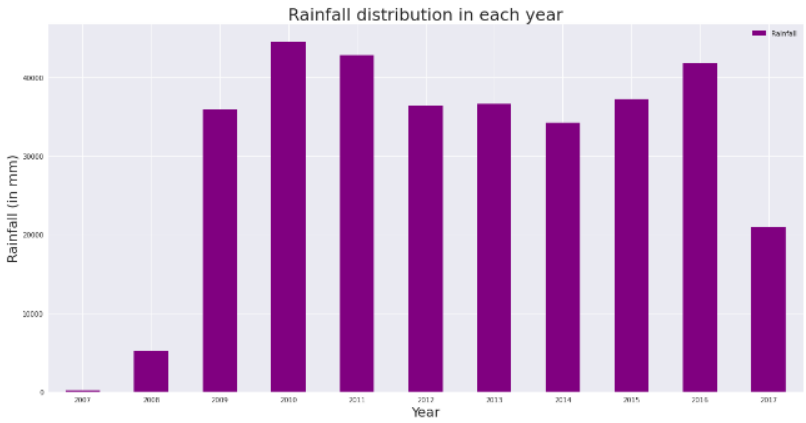
This shows that there is no outlier in data of Humidity at 9am and data is normally distributed.

- **Box plot- Humidity at 3pm**



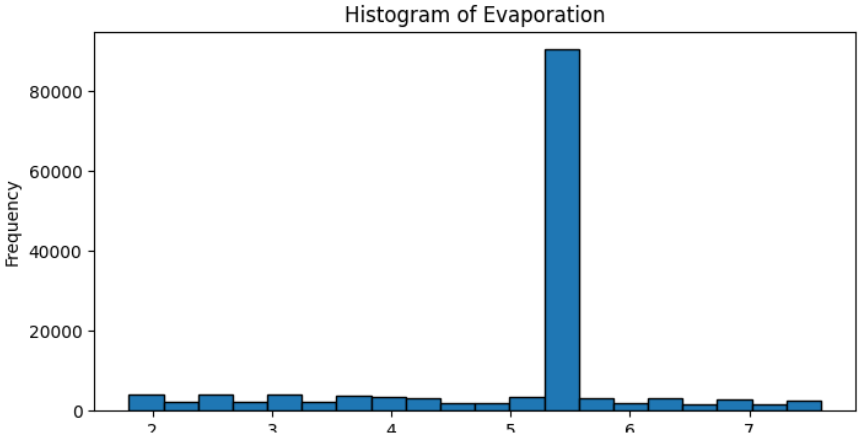
This shows that there is no outlier in data of Humidity at 3pm and data is normally distributed.

- **Bar graph- Rainfall**



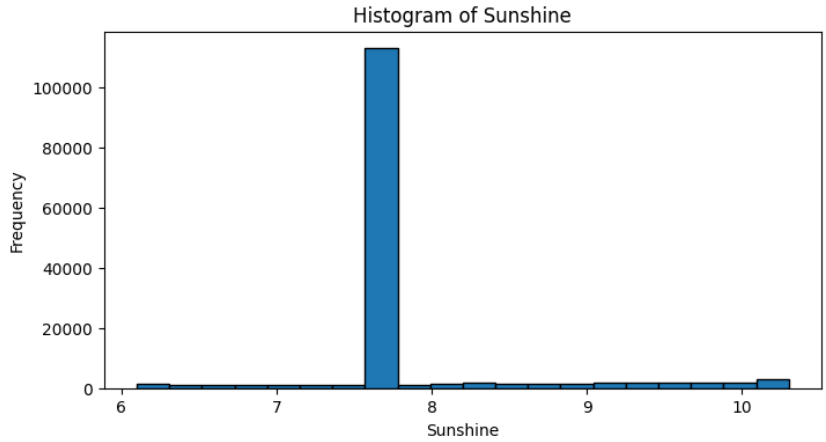
Maximum rainfall(greater than 40,000 mm) occured in 2010 followed by 2011 and 2016 and in 2009, 2012, 2013, 2014 and 2015 experienced rainfall between 30,000-40,000 mm.

- **Histogram - Evaporation**



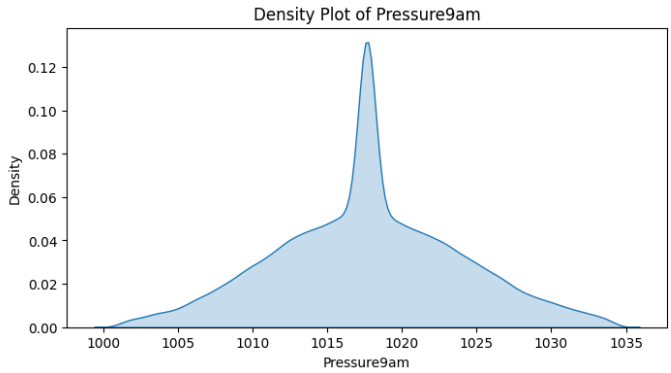
This shows that in data more than 80000 times, rate of evaporation most frequently is between 5 units to 6 units

- **Histogram - Sunshine**



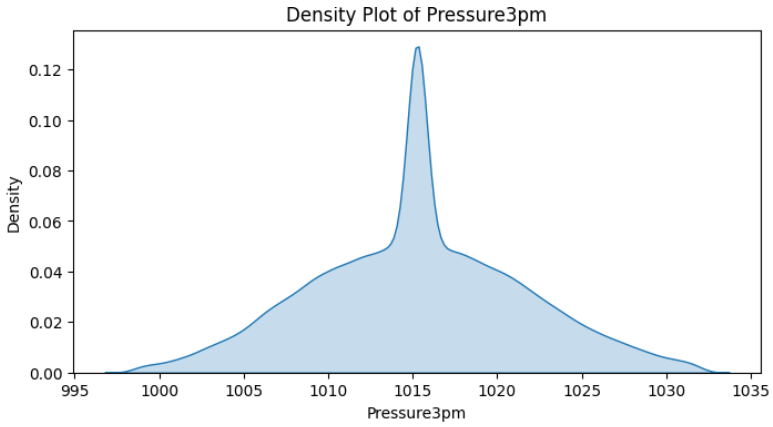
This shows that in data more than 100000 times, rate of sunshine most frequently is between 7 units to 8 units

- **Density plot- pressure at 9am**



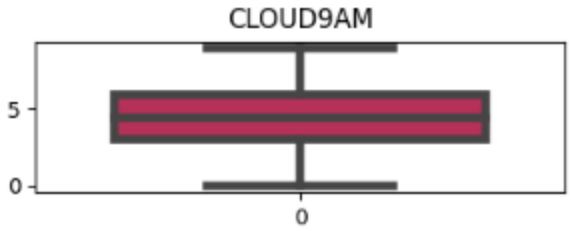
This is normally distributed and data has more density at 1015 pa and 1020 pa.

- **Density pressure at 3pm**



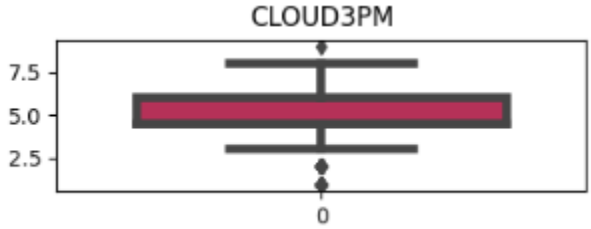
This is normally distributed and data has more density at 1015pa.

- **Box plot - Cloud 9m**



It represents that the data is normally distributed ,no outliers.

- **Box plot- Cloud 3pm**



It represents that the data is not normally distributed , outliers are present in data of cloud 3pm.