1.b.)

Mean = 6

Median = 10.42298

1.c.)

Table

Description automatically generated with medium confidence

1.d.)

Chart, box and whisker chart

Description automatically generated

There are 757 samples in the "High" category.

1.e.)

Chart, histogram

Description automatically generated

1.f.)

Chart, scatter chart

Description automatically generated

Chart, scatter chart

Description automatically generated

From the two plots, it can be hypothesized that there are much more people who prefer acidic, worse tasting and less sweet wine. According to the first plot, there is an abundant amount of people who prefer an acidic wine which tastes relatively bad, and based on the second plot, more people preferred less sweetened wine regardless of whether they enjoyed the taste or not.

2.a.)

X: Quantitative

Y: Quantitative

month: Qualitative

day: Qualitative

FFMC: Quantitative

DMC: Quantitative

DC: Quantitative

ISI: Quantitative

temp: Quantitative

RH: Quantitative

wind: Quantitative

rain: Quantitative

area: Quantitative

2.b.)

Sunday has the most frequent fires out of all the days.

2.d.)

Chart, histogram

Description automatically generated

August has the highest frequency of forest fires with wind > 4.

2.e.)

Chart, scatter chart

Description automatically generated

2.f.)

In order to predict wind speed based on the other variables, pairing it with FFMC, DMC, ISI, temp, and/or RH would be useful. This is because creating a plot with both wind speed and one other variables shows a set of points all relating to a wind speed staying constant regardless of the other variable at random. In turn, this allows us to better understand the wind speed as it may stay constant for several points of the other variable, or it might change.