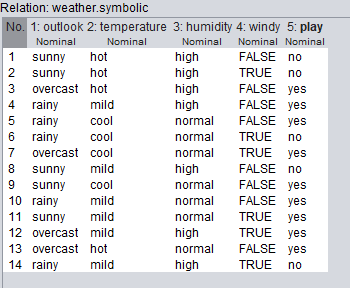
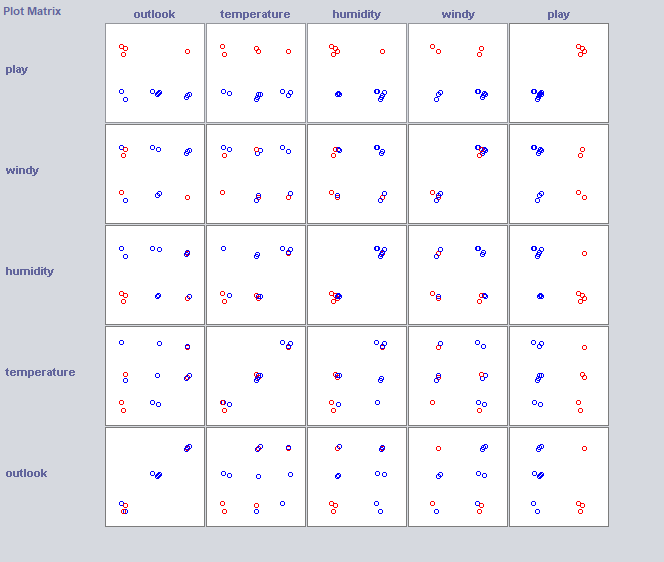
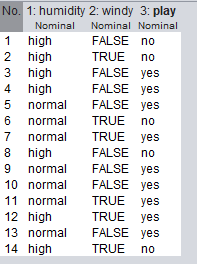
**The Nominal Dataset is shown as this:**

****

**Plot Matrix (correlation Matrix):**



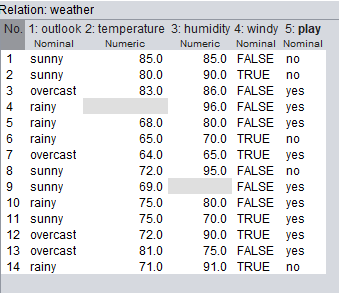
**Removing Outlook and Temperature:**

****

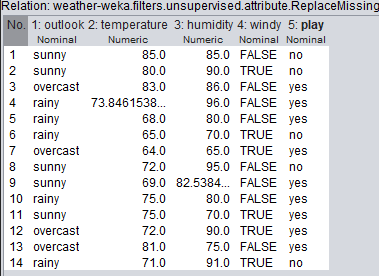
Removing Outlook because as when we visualize the pair plots for all these attributes while looking into that we can see that it holds a less correlation with the play attribute which in turn will not be useful in providing a good decision.

Also removing Temperature Attribute because it seems to be similar to the humidity attribute so either way we can drop one or the other and in my case I am dropping Temperature.

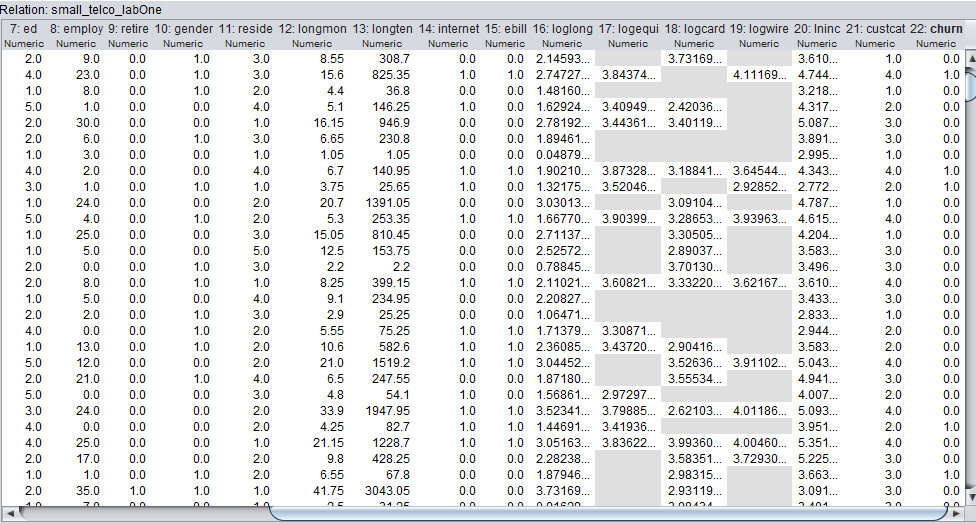
**The Numeric Dataset is shown as:**

****

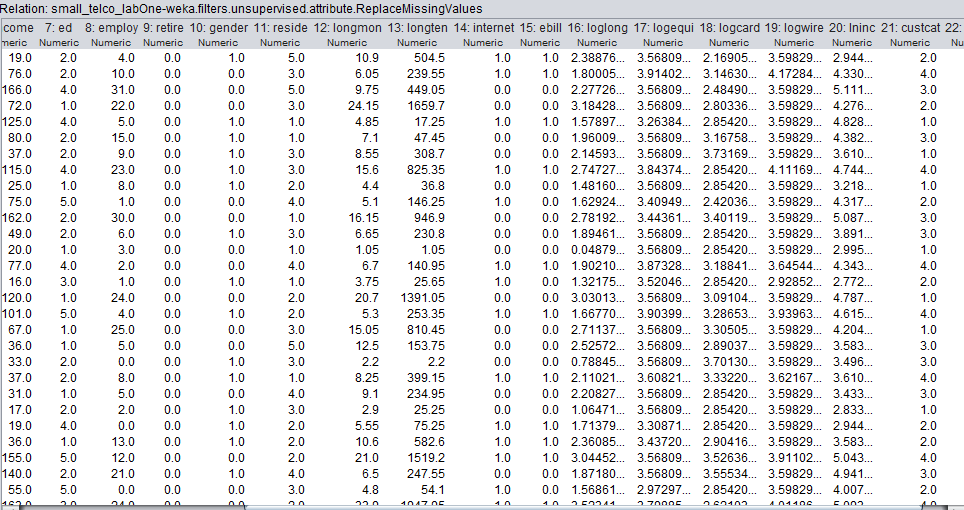
**Filling Missing Values:**

****

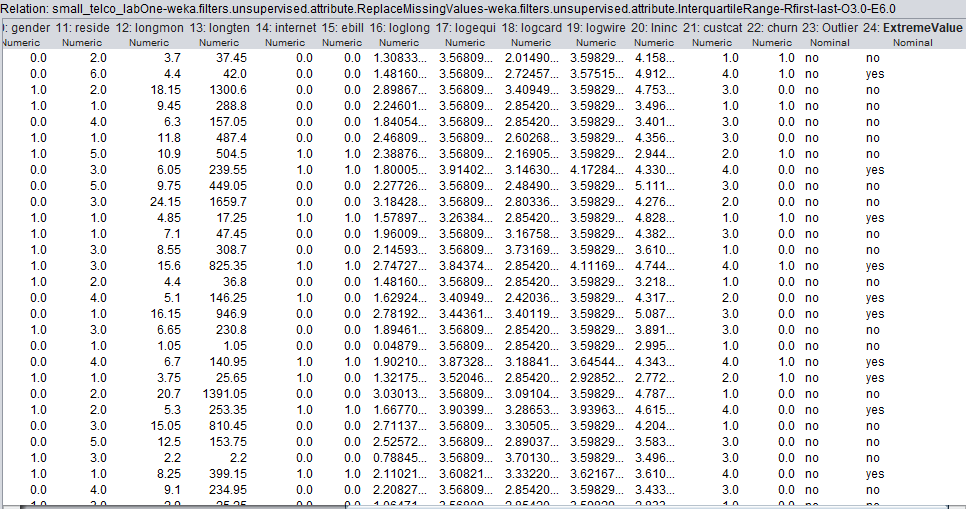
**The small\_telco\_labOne Dataset is shown as:**

****

**After Replacing Filling Missing Values :**

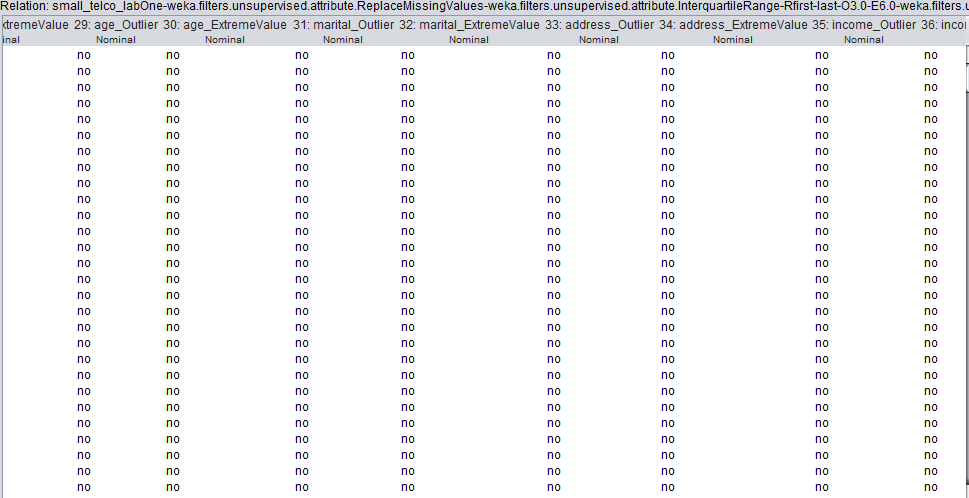
****

**Detecting Outliers using Interquartile Range:**

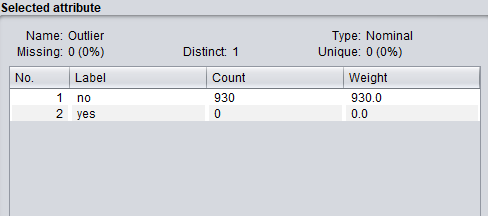
****

**Extreme Values Column created that shows ‘no’ values show no outliers while ‘yes’ values shows that outliers are detected.**

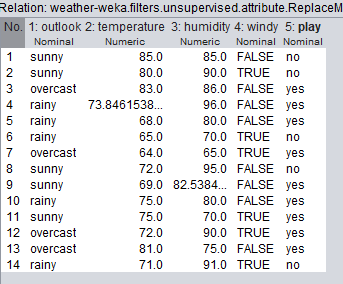
**Applying outlier-extreme indicator pair on the dataset:**

****

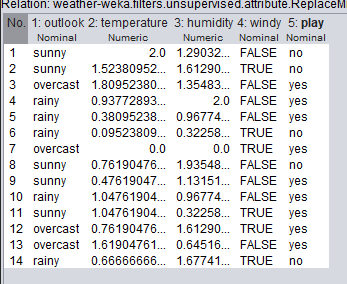
**After applying Remove with Values on the dataset:**

****

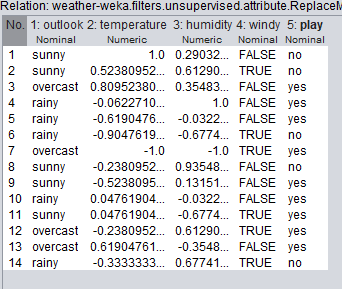
**After Applying Normalization (scaling from 0 to 1) on the dataset:**

****

**Changing scaling and translation factor from 0 to 2 on the dataset:**

****

**Changing scaling and translation factor from -1 to 2 on the dataset:**

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