31/10/2021
Machine Learning

Data Quality Report

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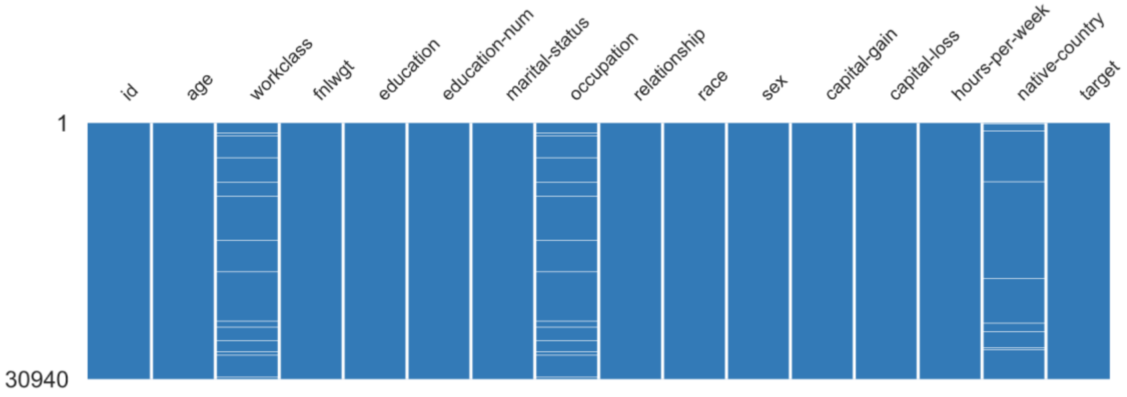
Missing Values:

There was a few missing values but not enough for it to warrant any action to be take



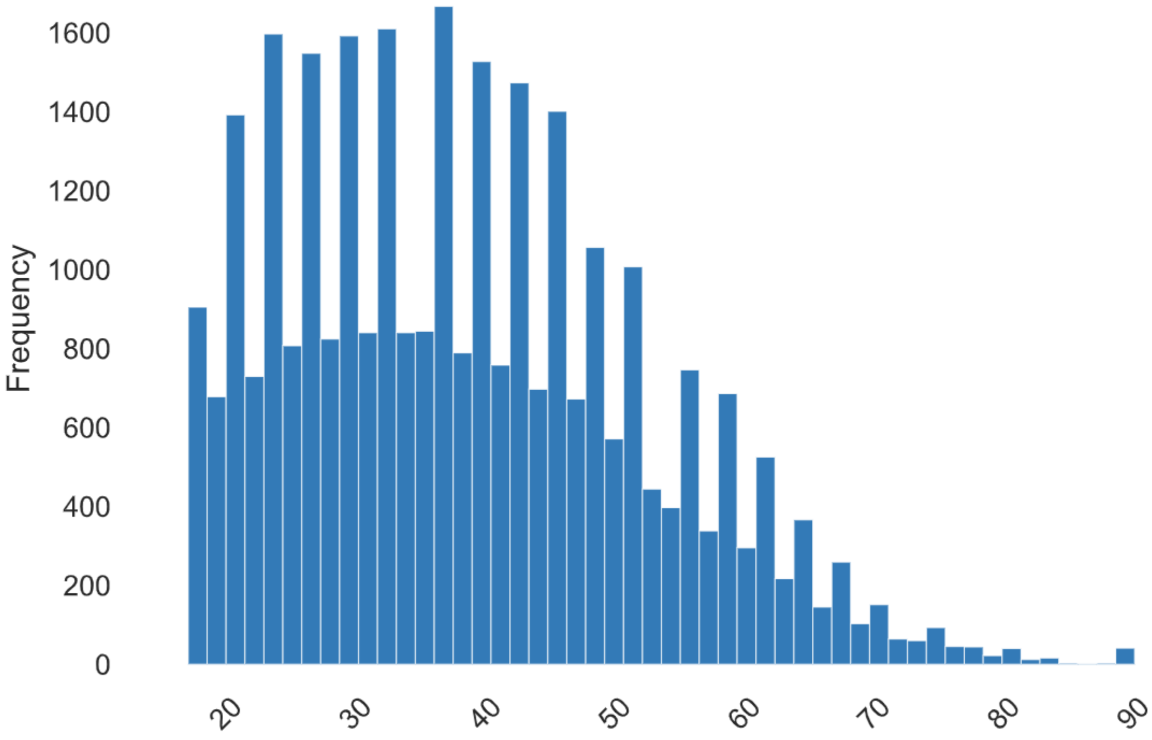
Workplace had 5.6% missing
Occupation also had 5.6% missing
Native Country had 1.8% missing

Irregular Cardinality

There seemed to be no Irregular Cardinality.

Outliers

Age-



There was a few with the age of 90 but it does not seem like an input error. Decision: keep it in as it is most likely accurate. There was no other outliers

Handling Missing Values:

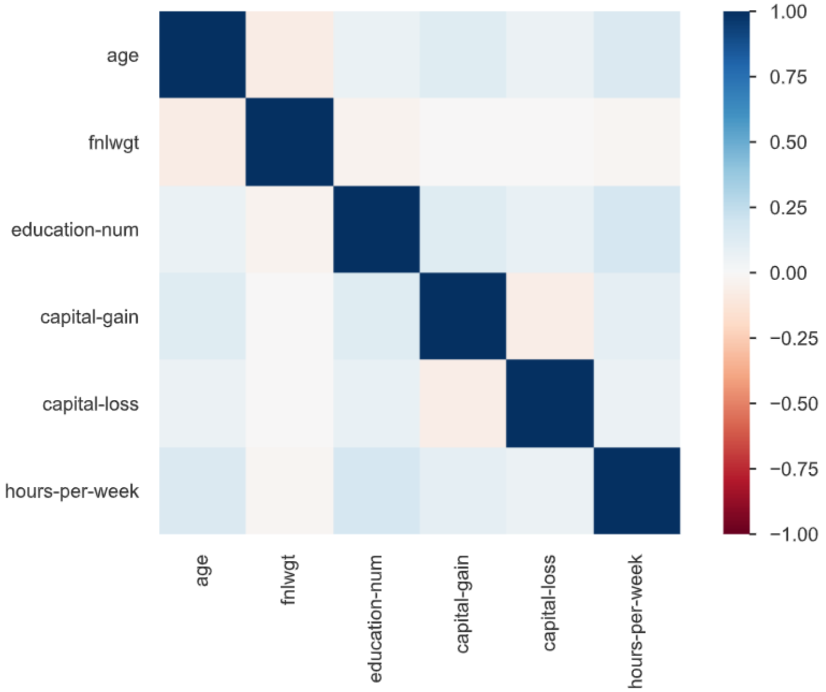
The missing values were assigned as a "?" and I let pandas deal with it automatically by specifying that they were missing values

Data Quality issues:

There seemed to be a data quality issue with this sample as a majority of the people did not have any capital gain or capital loss. With capital gain having 91.7% zeros and capital loss with 95.4%. the way this could be solved is by getting another sample where there are less 0's or just remove all the values with 0.

Correlation:

There was high correlation between values as seen by Spearman's p


age
fnlwgt
education-num
capital-gain
capital-loss
hours-per-week
age
fnlwgt
education-num
capital-gain
capital-loss
hours-per-week