Data Analytica Laboration FAT

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Question ret 1

Part 2 Mean & linear regression imputation

Mean Inputation Algorithm

1. Let dataframe : df

2. Calculate Mean of df\$1958

3. mean = Average (df\$1958)

4. For i in df: = NA):
if (df\$1958[i] == NA):
df\$1958[i] = mean

5. END

Linear regression inputation Algorithm

1. Let df = detaframe 2. Calculo

- 2. Fit linear model with 1958 an dependent variable and 1959 as independent variable
- 3. Let i= intercept, c= coefficient of independent

4. For in d:

of (of \$1958 Ci] == NA): + of \$1958 Ci] = i + (c* df\$1959 Ci])

5. END

Englanation: -

So in mean imputation, we replace the NAs of the column with it mean.

But in linear regression, we first fit a linear undel on with "1959" on independent variable. Using their model, we preduct the mining values.