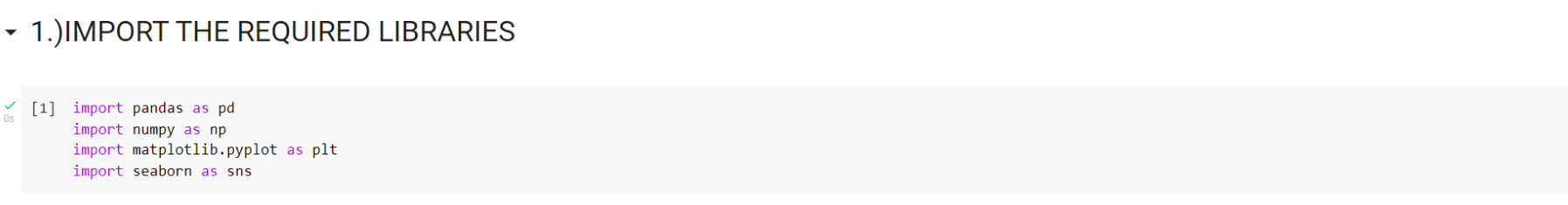
**DETECTING PARKINSONS DISEASE USING MACHINE LEARNING**

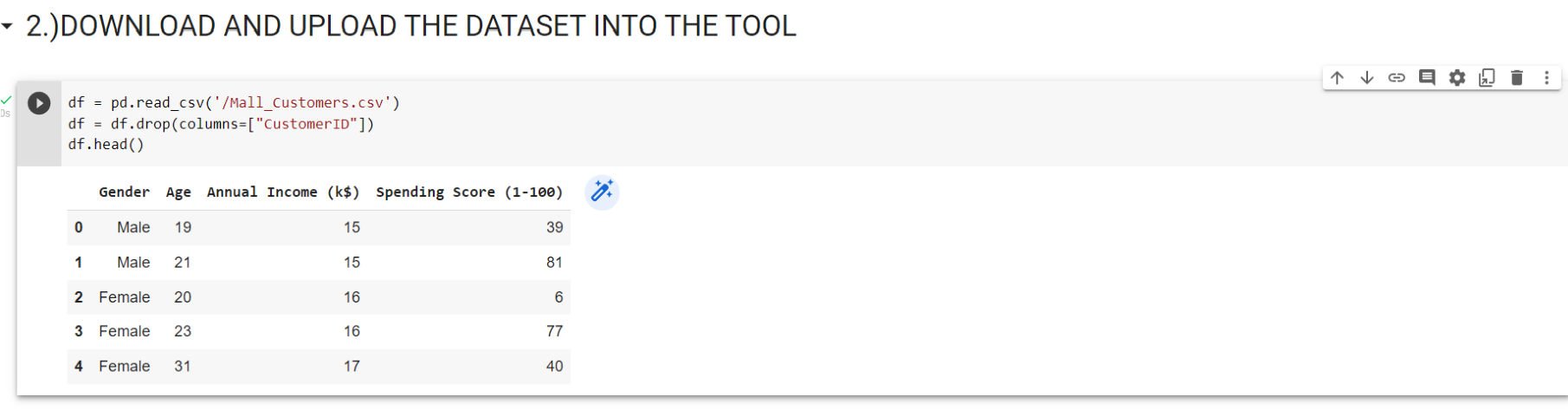
**ASSIGNMENT - 4**

|  |  |
| --- | --- |
| Date | 4th October 2022 |
| Team ID | PNT2022TMID27836 |
| Student Name | Subha Madhav M S (311519104058) |
| Domain Name | HealthCare |
| Project Name | Detecting Parkinsons Disease using Machine Learning |
| Maximum Marks | 2 Marks |

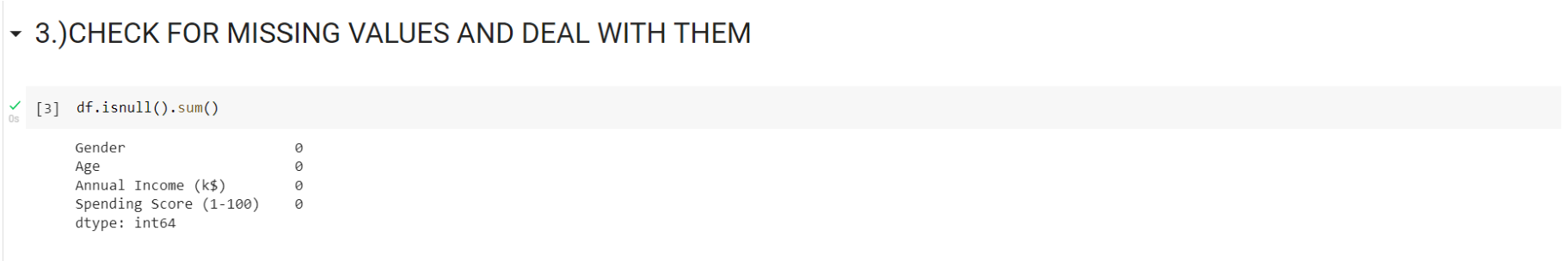
# 1.)IMPORT THE REQUIRED LIBRARIES



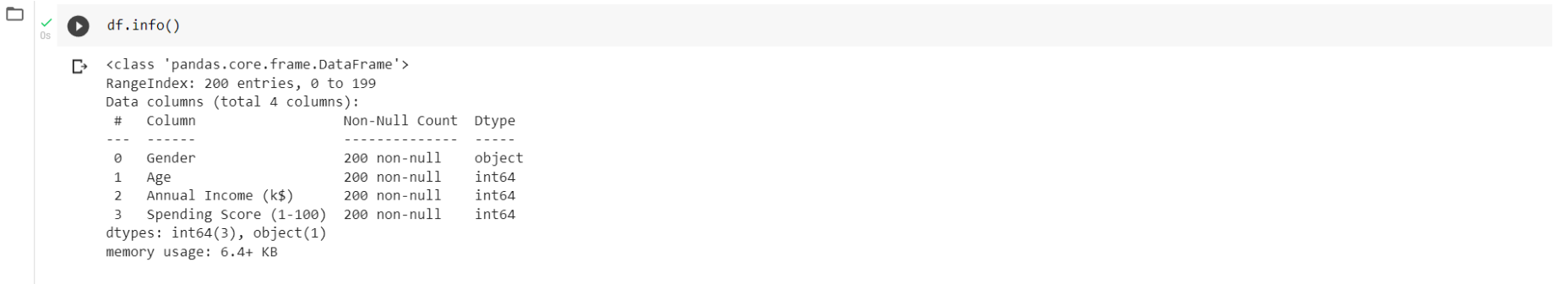
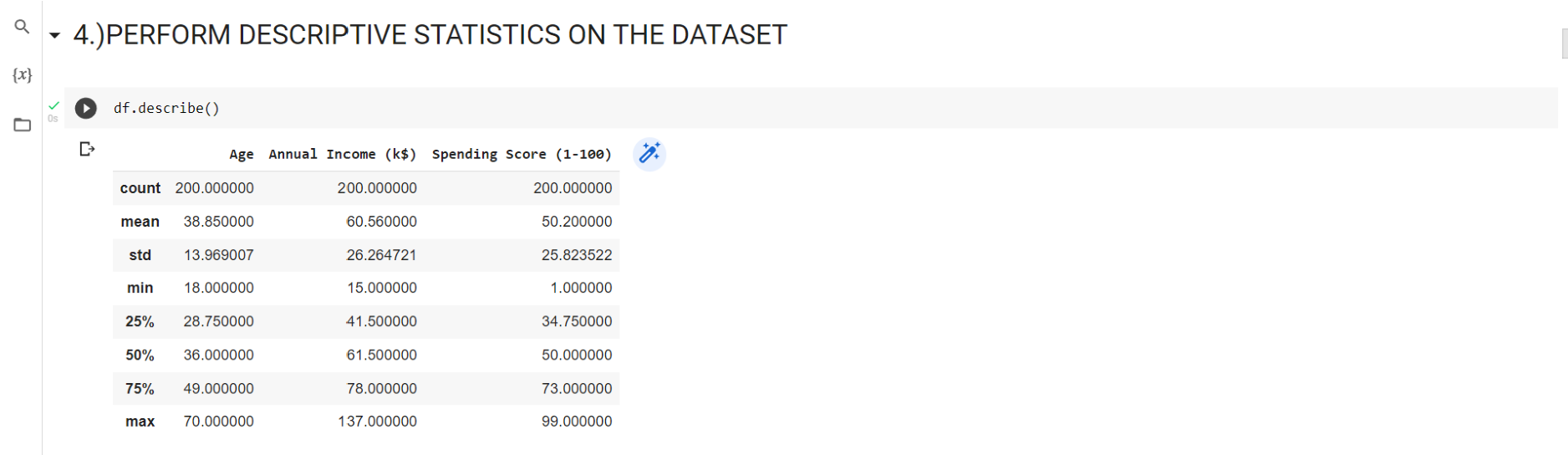
# 2.)DOWNLOAD AND UPLOAD THE DATASET



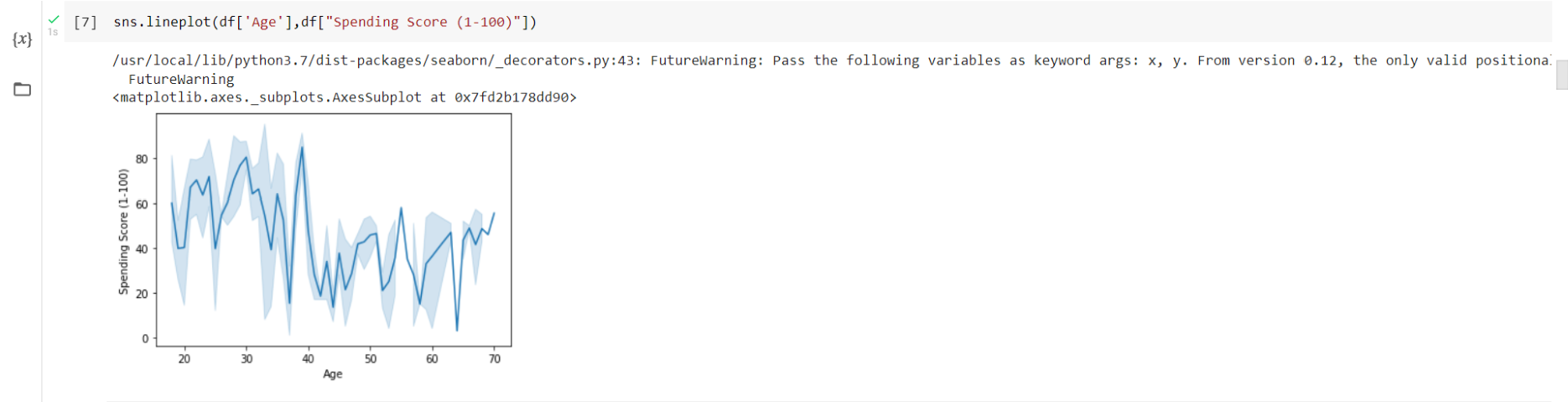
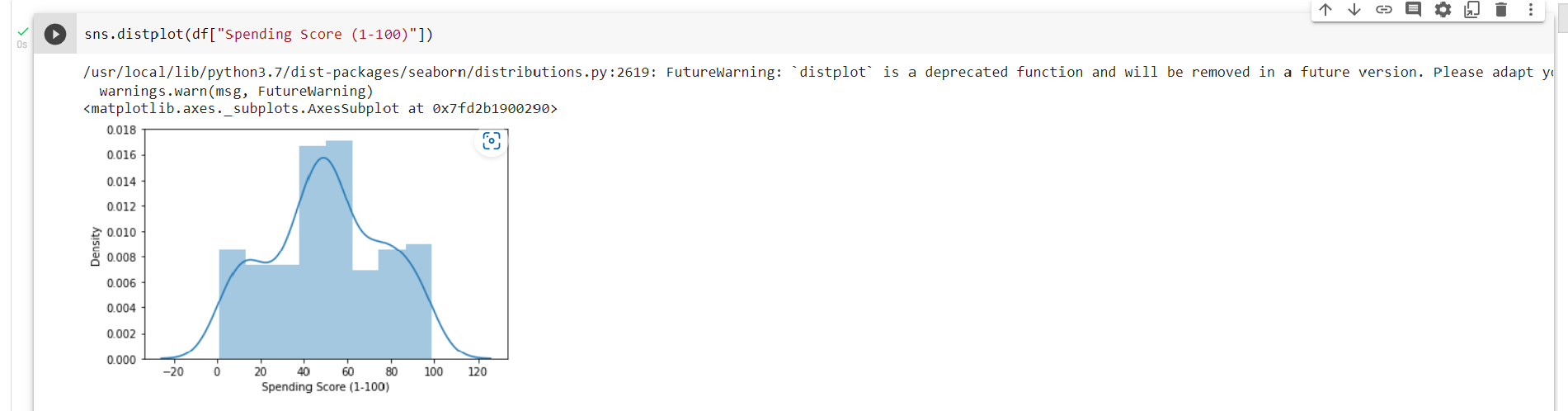
# 3.)HANDLE MISSING VALUES AND DEAL WITH THEM



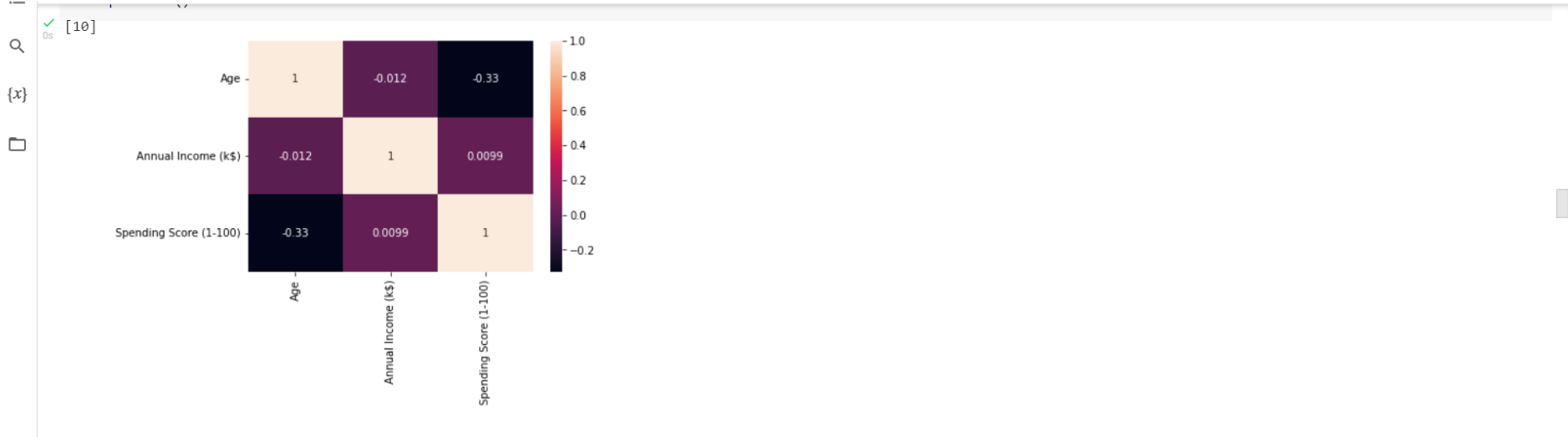
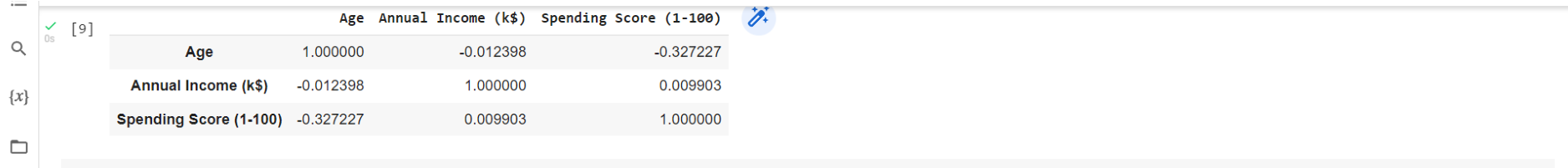
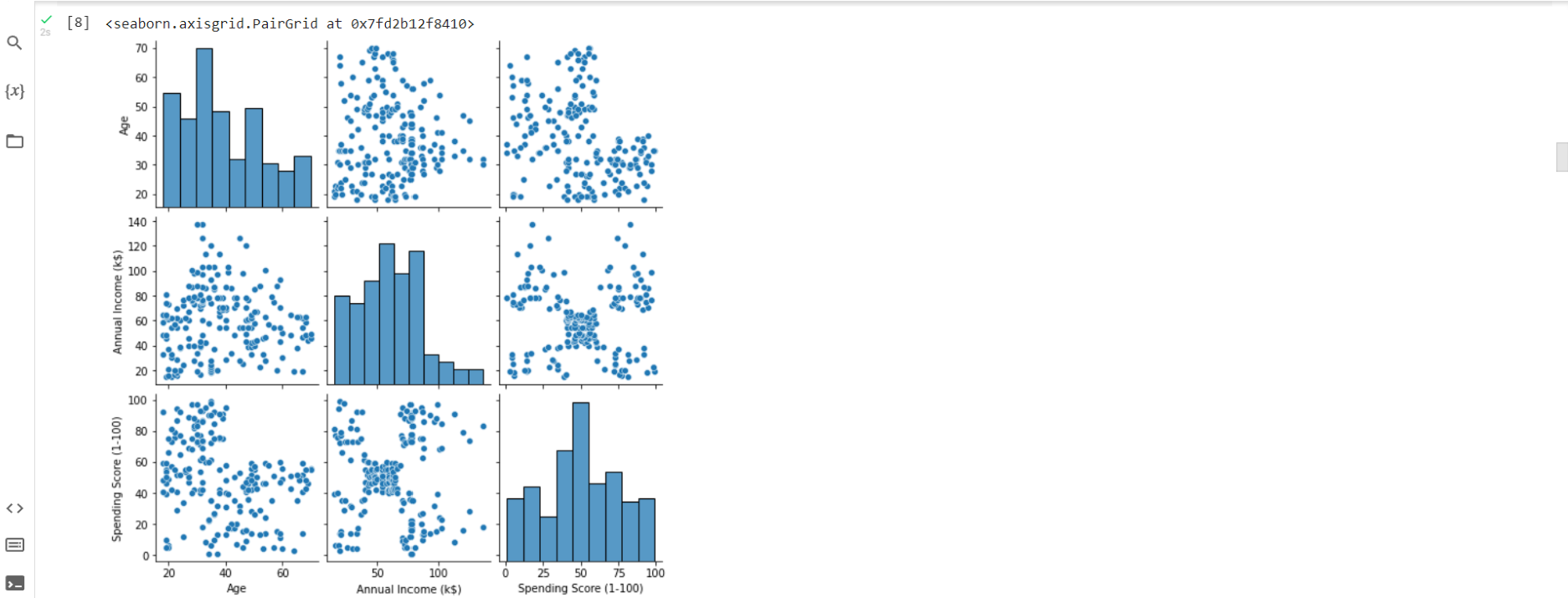
# 4.) PERFORM THE DESCRIPTIVE STATISTICS ON THE DATASET



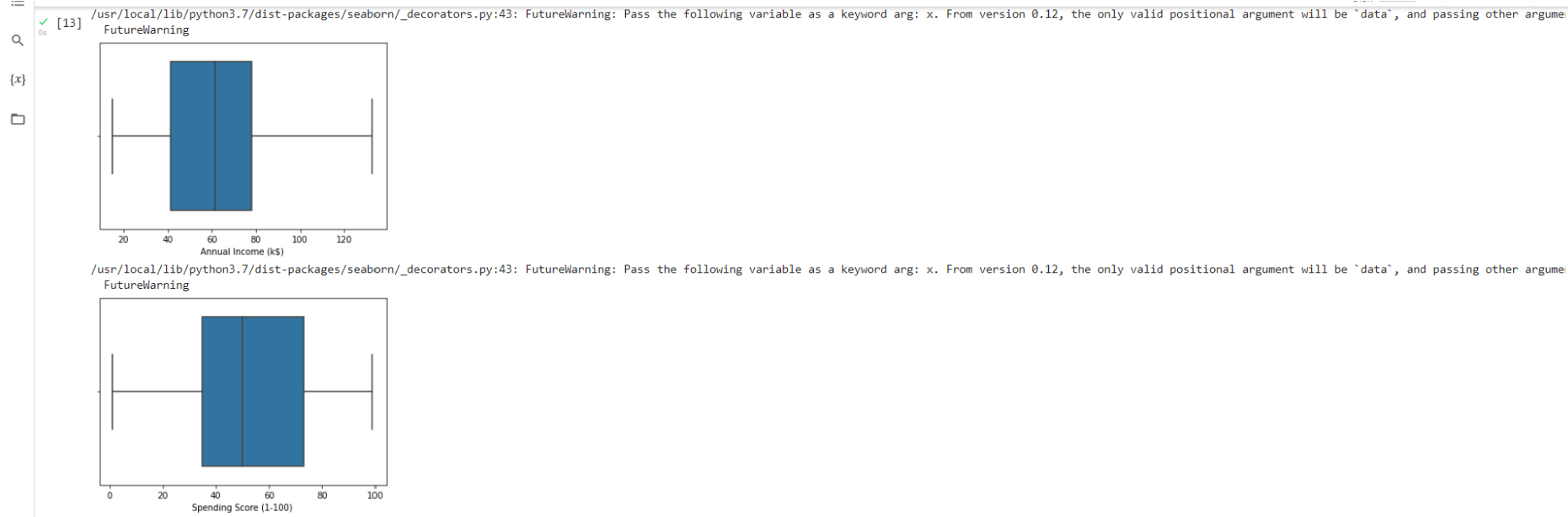
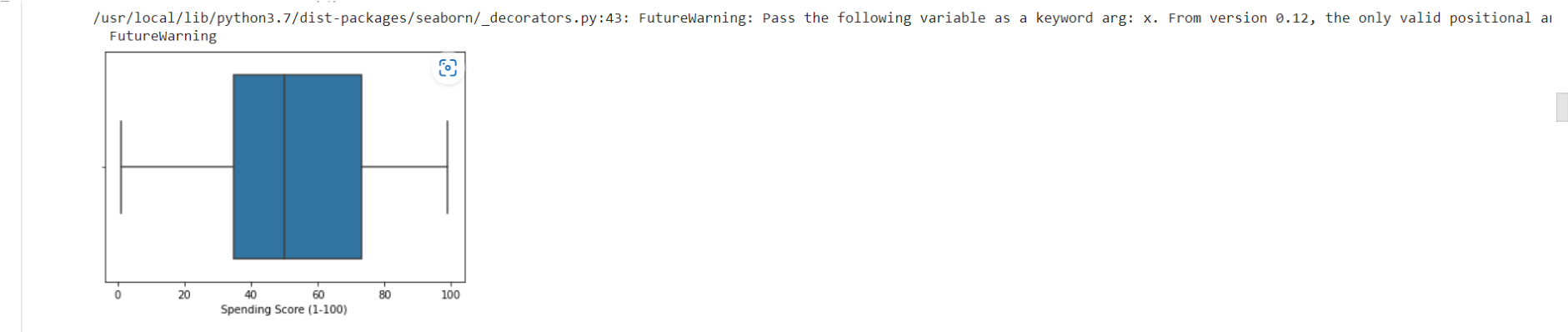
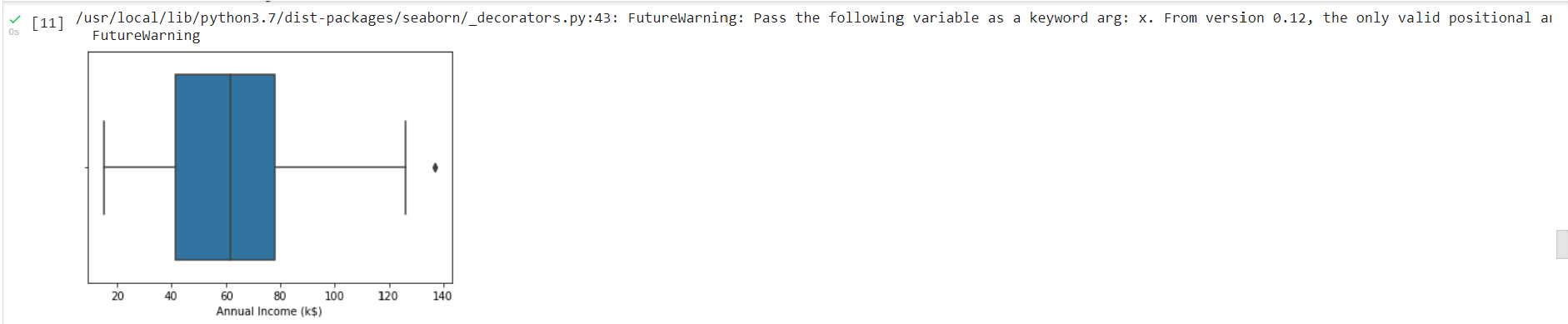
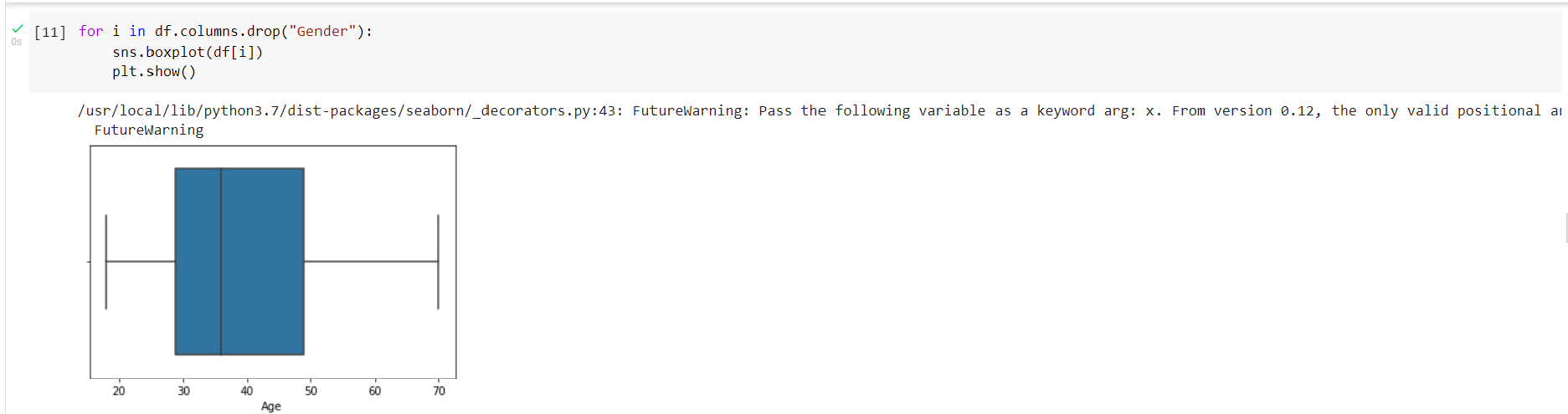
# 5.) PERFORM VARIOUS VISUALISATIONS a.) UNIVARIANTE ANALYSIS



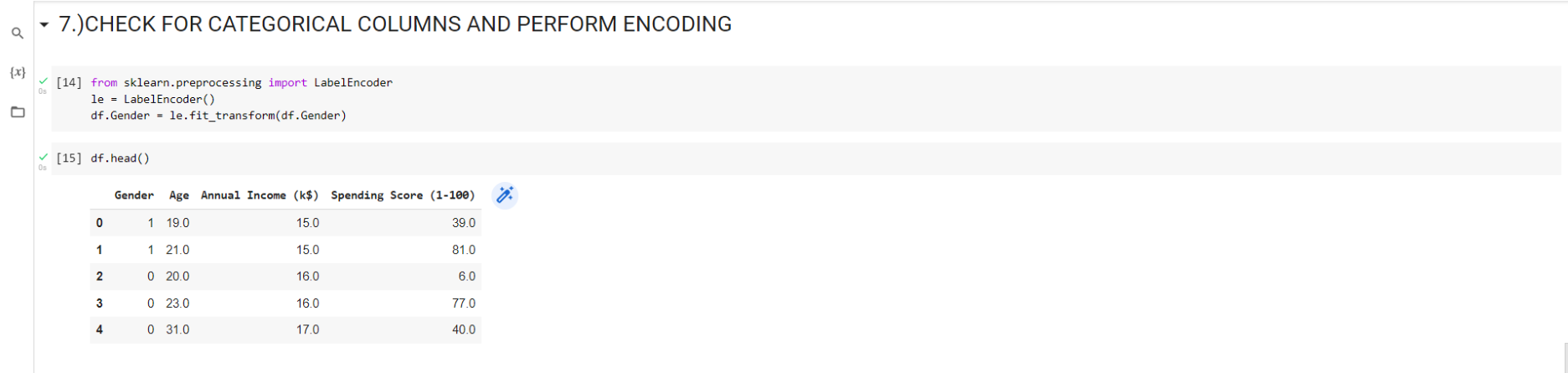
# b.) MULTI - VARIANTE ANALYSIS



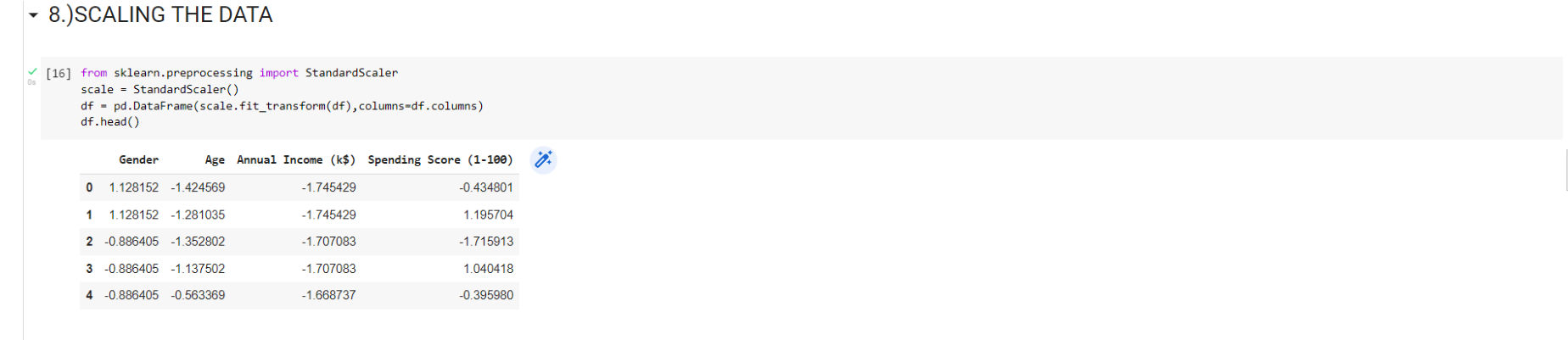
# 6.) FIND AND REPLACE THE OUTLIERS



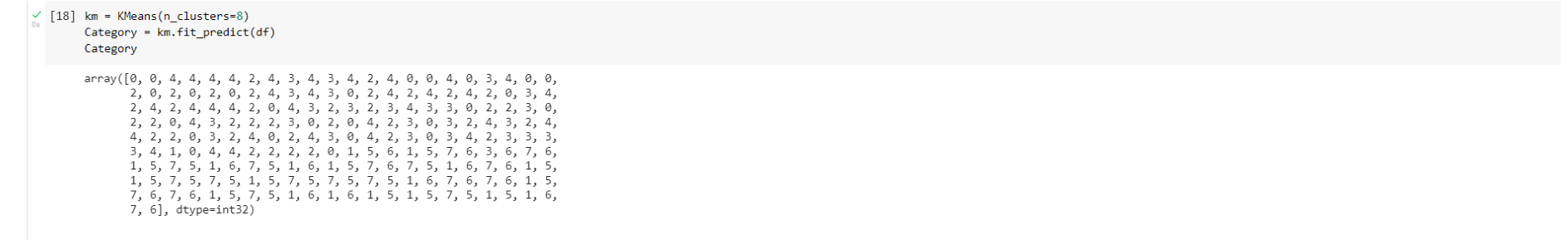
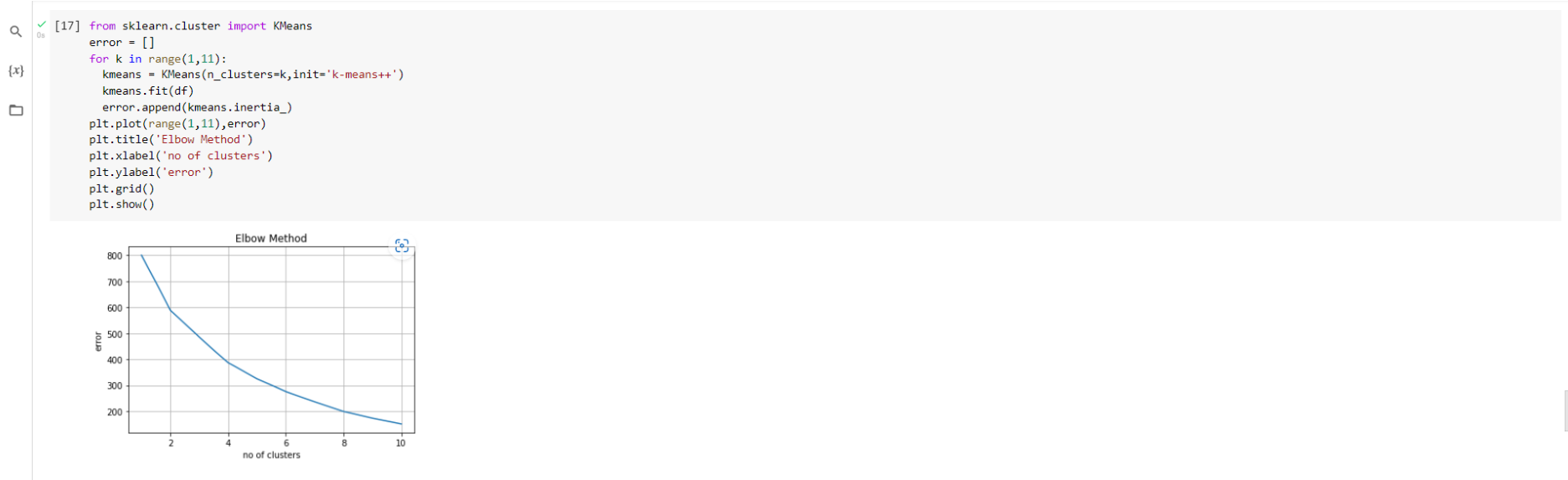
# 7.) CHECK FOR CATEGORICAL COLUMNS AND ENCODE THEM



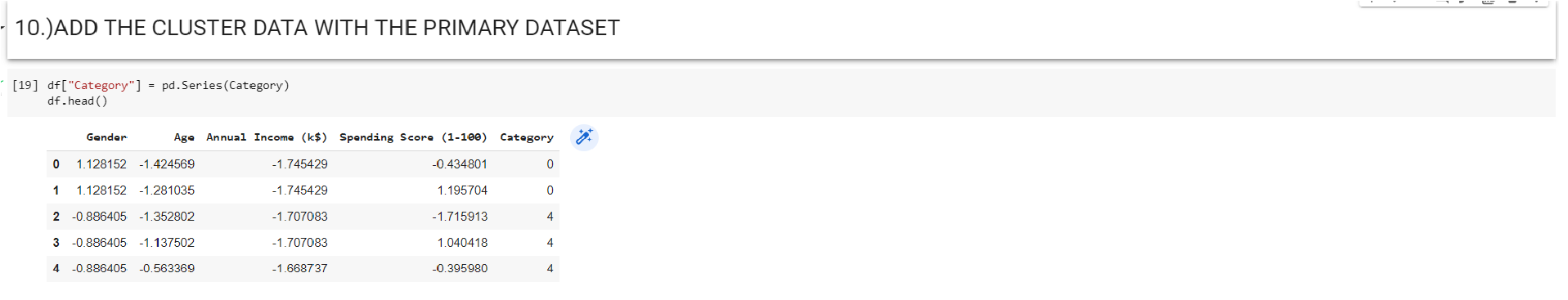
# 8.) SCALING THE DATA



# 9.) PERFORMING ANY OF THE CLUSTERING ALGORITHMS

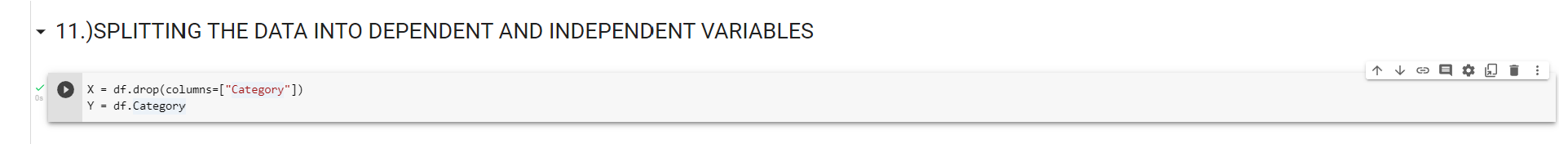


# 10.) ADD THE CLUSTER DATA WITH THE PRIMARY DATASET

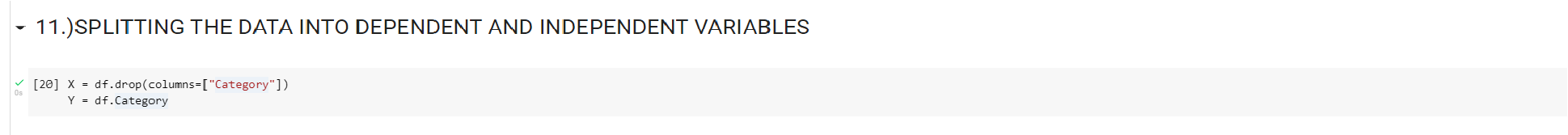


**11. )SPLITTING THE DATA INTO DEPENDENT AND INDEPENDENT**

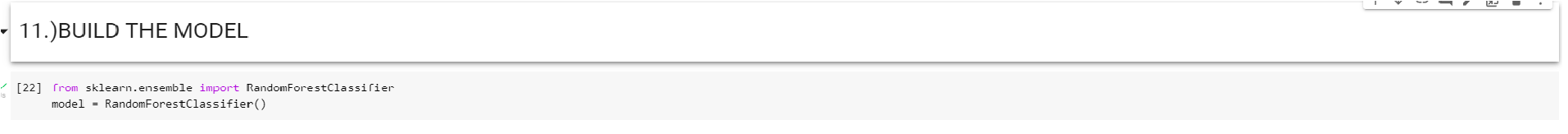
# VARIABLES



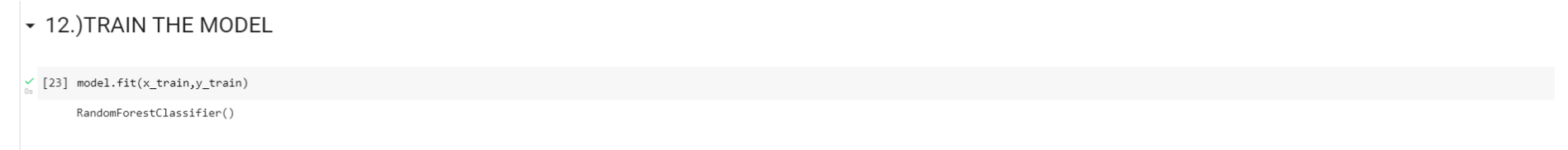
# 12.)SPLIT THE DATA INTO TRAINING AND TESTING DATA



## 13.) BUILD THE MODEL



## 14.) TRAIN THE MODEL



**15.)**

**TEST THE MODEL**

**16.)**

**MEASURE THE PERFORMANCE USING METRICS**

