**Single\_Prompt.ipynb**

**Prompt prepare data**

Read excel file Info\_BDApnea\_QuironMalaga.xlsx that is in subdirectory DATA and create a data frame with columns Patient, Gender, Edad, Talla, Peso, IAH,PerCervical. Change the column name Edad to Age, Talla to Height, Peso to Weight and PerCervical to Cervical. Convert Weight column to float and remove all rows with no numerical values. Remove also all the rows containing a “-1” value or a NaN in at least one column. Save the resulting data frame in the DATA subdirectory in an Excel file with name Copilot\_OSA\_DB\_UPM.xlsx.

**Single\_fit\_MultipleLinearRegress.ipynb**

**Prompt train Multiple Linear Regression**

Read Copilot\_OSA\_DB\_UPM.xlsx in DATA subdirectory into a data frame. Create a new column with BMI obtained from Height and Weight. Train and test a Multiple Linear Regression model to predict IAH using Gender, Age, BMI and Cervical.

**Single\_EDA\_Regression.ipynb**

**Prompt do some EDA to predict IAH**

Read Copilot\_OSA\_DB\_UPM.xlsx in DATA subdirectory into a data frame. Create a new column with BMI obtained from Height and Weight. Do some EDA to predict IAH the rest of features but Patient.