### Research with solid fill6.3 Hands-on Case Study:

Neural Network Classification

*Download Source Data Set from GitHub link* : <https://github.com/Smartbrain2024/Mastering_AI_2.git>

**Chapters/Chp\_06/6.3/Hands\_on/Test\_Data.csv**

**Context**

People are always confused about their medical insurance and do not know the cost of insurance at different ages and conditions. This data is useful for these people and is useful to make predictions of the insurance cost they will have to pay.

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Step 1 : Configure Source data set : insurance charges.csv.

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Step 2: Perform EDA

A diagram of a data explorer

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Data Explorer

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Step 3 : Data Preprocessing

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Step 4: Partitioning and Normalization

A diagram of a test

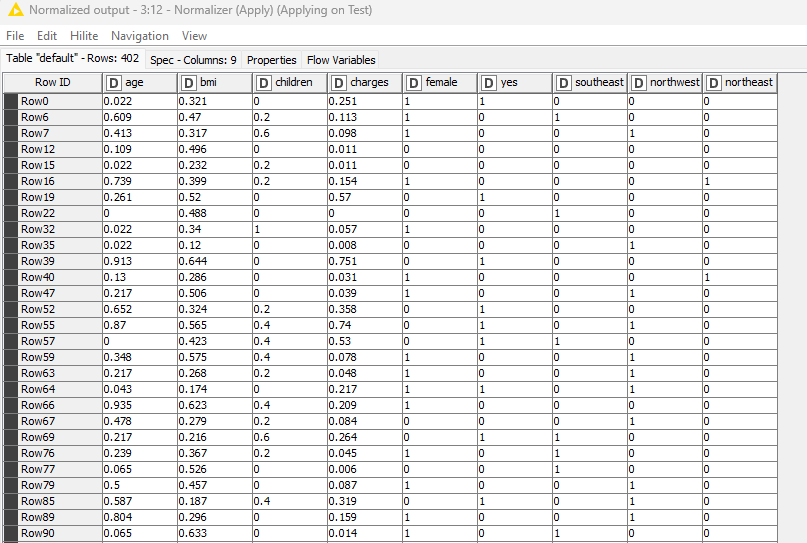
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Step 5 : Model building Unpruned NN Vs Pruned NN Modeling

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Unpruned NN Model Statistics Pruned NN Model Statistics

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