

# Make better data-based decisions with statistical modelling techniques

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## Homework

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Day 3



# Homework – Day 3

## Explore your data

- The work on day 3 is a continuation of day 2
- During the Day 2 session, you explored the data graphically and drew conclusions. Are they statistically accurate and are you missing something?
- We will use partition trees to further our conclusions
- Open *Diabetes.jmp*

# Data Exploration

- Launch the platform
  - Open the partition platform (Analyze -> Predictive Modeling -> Partition)
  - Select **Y Binary** and click on *Y, Response*
  - select the columns from **Age** to **Glucose** and click on *X, Factor*
  - Click *OK*
- Explore your model
  - For the moment, you do not have any model. Click *Split*. What happened? What do you observe?
  - Click *Split* again. What happened? What do you observe?
  - Click *Split* again. What happened? What do you observe?
  - For better decisions in your observations, you can select the following options in the red triangle next to “Partition for Y Binary”:
    - Column Contribution
    - Display option -> Show Split Prob
    - Profiler

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