Forecasting

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Forecasting

Plan for forecasting:

- Model application:
 - Computation of individual choice probabilities
 - Computation of market shares
- Analysis of the effect of a change in a variable on the market shares





Forecasting

- Estimation of the model: As usual go to the corresponding folder through the console and type: biogeme model data.dat
- ② Simulation of the individual choice probabilities
- 3 Computation of the market shares





2. Simulation of the individual choice probabilities

- ① One of the model estimation outputs is *model.res*
- ② Rename it to model_res.mod
- It contains the same model as the original model file except that the estimated coefficients appear in the section [Beta]
- 4 Type biosim model_res data.dat
- Open model_res.enu to visualize the output





3. Computation of market shares

- Open data.dat with Excel
- Open model_res.enu with Excel
- Paste both side by side (remember to remove the observations that you have excluded when estimating the model)
- Compute the market shares: The market shares are obtained by averaging the individual probabilities for each alternative





Analysis of the effect of a change in a variable

- In the section [Expressions] change the value of cost to a 20% increase
- Re-compute the choice probabilities (using biosim, NOT biogeme)
- Re-compute the market shares



