

To following sequence of screen shots shows how the calibration process should work:

2. Make sure TreeAge Pro is open.

1. Make sure the path to the model is correct for your environment.

3. Copy and paste `execfile(...)` line to Python Shell window. Press enter.

TreeAge Pro will open the example model and the calibration process will be changing the Weibull distribution parameters.

Notice the Rate and Shape parameters being modified with each optimization iteration.

Python 2.7.11 Shell

When the optimization iterations are completed you will see the results displayed in the Python Shell window:

The image shows two windows from a software application. The left window is 'TreeAge Pro 2018' displaying a model with 'Transition Probs, Matrices, Rates' and 'Pairwise Transition Probs Weibull Hazard Functions'. The right window is 'Python 2.7.11 Shell' showing the execution of a script 'Calibration with Neider-Mead.py'. The script output displays estimated parameters and the Goodness of Fit value.

Estimated parameters that achieve minimum Goodness_Of_Fit measure are presented here:

```

Estimated Rate12 = 0.299135
Estimated Rate13 = 0.190783
Estimated Rate23 = 0.192506
Estimated Shape12 = 1.897248
Estimated Shape13 = 1.416633
Estimated Shape23 = 1.521137
Goodness of Fit value = 6.812215e-09
Analysis duration: 62.396 sec.
  
```