

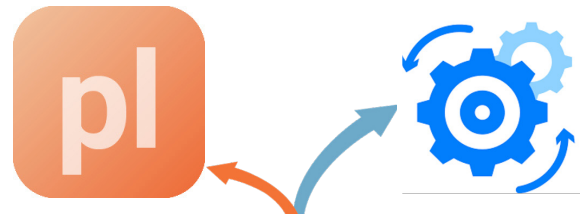


The PowerLog Python Ecosystem enables any Python Distribution to seamlessly read from PowerLog Databases and write to PowerLog Databases. Users can create processors, viewers, consoles, and filters using a variety of Python Interpreters including Spyder, Jupyter, QT, and others.

Facies Classification

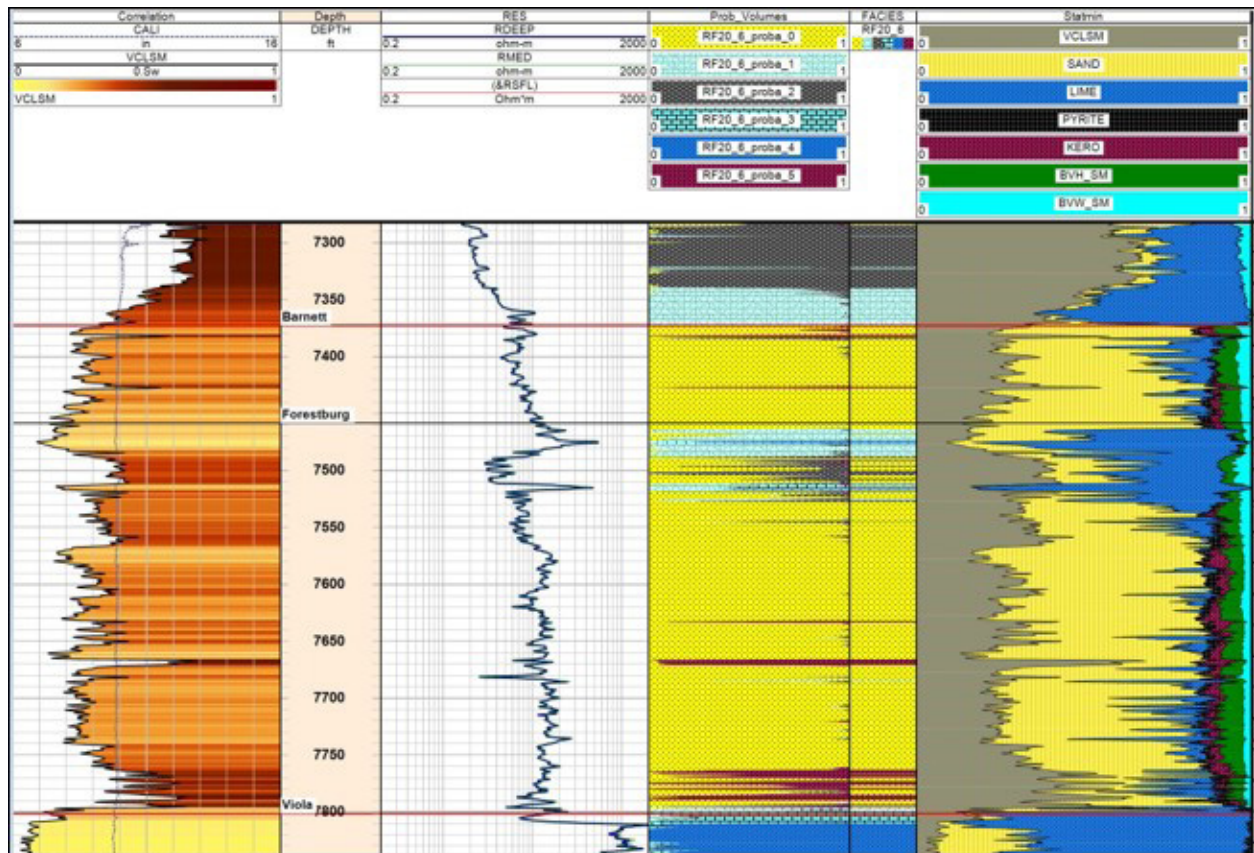
Run unsupervised facies classification machine learning algorithms utilizing a workflow that:

- Includes sub-facies clustering and data analysis for choosing an optimum number of clusters
- Can access all data in the database for selected projects and wells
- Generates facies probabilities and produces a series of analytical plots for assigning the unsupervised facies
- Enables geoscientists to generate high-quality facies logs on multiple wells simultaneously



Python Distribution

NumPy, scipy, matplotlib, keras, theano, pconnect, scikit-learn, pandas, plotly and about 100+ more available packages

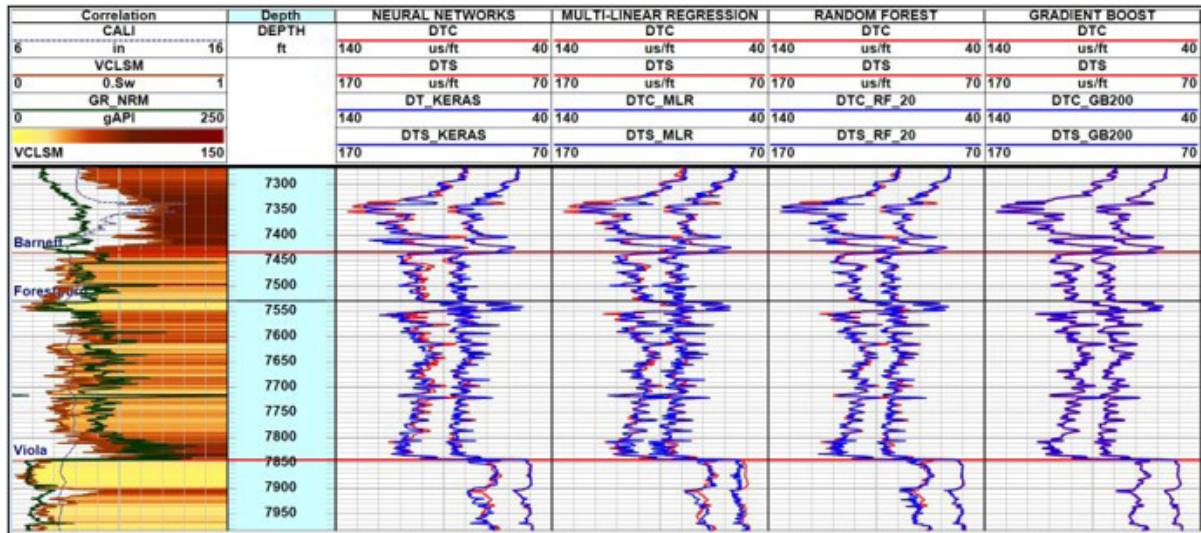




Synthetic Curve Generation

The PowerLog Python Ecosystem can be used to generate synthetic curves

- Deep learning using Keras front end and Tensor Flow back end
- Regressors:
 - Gradient boost
 - Multi-Linear Regression
 - Random Forest
 - AdaBoost



Build Custom Viewers and Processors

- 3D Crossplots
- Deviated well bore paths
- Compute rock properties

