

Analytic Modeling in Python

Why Choose Python for Analytic Modeling

Abstract

This paper explores in detail analytical modeling and production deployment of analytical applications and explains how they are fundamentally different in their requirements, goals and tools. The requirements of prototype modeling are mapped to the features of the Python dynamic language.

Bridging the gap between prototype modeling and production development is also discussed and it is shown how PyIMSL™ Studio addresses some of the key issues. PyIMSL Studio is the first and only commercially-available numerical analysis application development environment designed for deploying mathematical and statistical prototype models into production applications.

This paper is intended for those considering Python for prototype modeling who are unfamiliar with Python and how it fits with prototype/production requirements.