

Portable Format For Analytics Model Interchange Format

The Portable Format for Analytics (PFA) is an open standard model interchange format supported by the Data Mining Group (DMG). DMG is a vendor-led consortium that has been leading the development and support of data science model interchange formats for more than 10 years. PFA is the latest open standard from DMG, complementary to the XML-based PMML industry standard, intended to enable vendor-neutral exchange and execution of complex predictive analytic models. A few key benefits of PFA are outlined below.



“ We are working on extending the KNIME Analytics Platform to support PFA, the latest open standard for complex data science model interchange. ”

Michael Berthold, President of KNIME



OPEN

The PFA language is an open standard based in JSON. Release version 0.8.1 is available for download today. PFA is a statically typed language that inherits types from Avro.



DATA PRE & POST PROCESSING

PFA has extensive pre and post processing capabilities. Combined with control structures like IF, THEN, ELSE, PFA brings model interchange up to date for today's data science use cases.



EXTENSIBLE

The PFA specification is designed to be extensible from the start. The language contains sufficient primitives to enable organizations to develop and deploy complex models without waiting for specification revision.



INTEGRATION

PFA easily integrates with today's most advanced big data infrastructure. PFA is “safe” for deployment by ensuring model execution does not read/write to critical infrastructure data pipelines.

VENDOR NEUTRAL

JSON BASED

EXTENSIBLE

DEPLOYABLE

PRE & POST OPS



Join the PFA Slack Community: pfa@dmg.org | dmg.org/pfa/
dmg-slack.herokuapp.com
Twitter: [@DMG_Standards](https://twitter.com/DMG_Standards)