## **Data Science Studies**

Stage Gate Execution







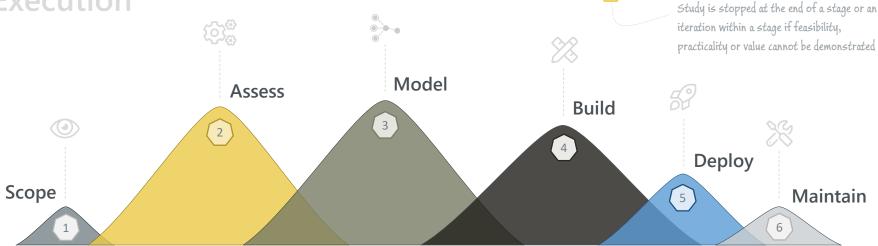
Stop







Execution



Schedule screen-share sessions between analytics team & relevant subject matter experts to establish prediction goals, data availability & existence of labelled historic or synthetic model data for input to

Gather data & assess feasibility of achieving project goals. This stage may also include some preliminary development (training & testing) of machine learning models to assess modelling potential / feasibility

Take data from Stage 2 (extending where possible) & apply several machine learning techniques & feature engineering approaches to demonstrate & optimise performance

Package the solution into a minimum viable product (MVP) that demonstrates how the end-user could leverage the developed machine learning models and techniques within new workflow Deploy the MVP to a cloud hosted environment for a user group to trial & experiment with for a set period (e.g. 2 months).

Maintain a cloud hosted analytics application for in a cloud production environment, e.g. data storage costs, VMs or other cloud or software costs, dev ops costs for oversight & ad-hoc