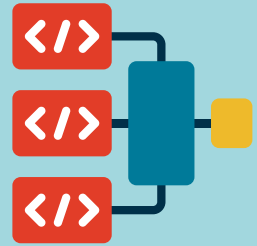


THE WINNING FORMULA FOR FEDERAL DATA ANALYTICS



AGILE DEVELOPMENT

Traditional agile practices, such as SCRUM, DSDM, and FDD are commonly used to split the development of software into sequences of iterations to increase flexibility using the PDCA cycle.

- Plan - iteration planning
- Design - iteration execution
- Check - iteration review
- Adjust - iteration retrospect (repeat cycle as needed)



CRISP-DM

Cross Industry Standard Process for Data Mining (CRISP-DM) provides a structured approach to planning a data or analytics project.

- Understand business objectives and set preliminary plan
- Data collection and review
- Data preparation
- Select and apply modeling techniques
- Evaluate and select champion model(s)
- Deploy code representation of model(s) into OS



ITERATIVE AGILE ANALYTICS

Combining traditional elements of Agile and CRISP-DM to federal analytics projects extends the benefits normally seen in the software development space to federal data analytics. Upsides include:

- Needs-based solution
- Control costs and reduce feature creep
- Quicker pivots, avoiding design lock-in
- Solutions that fit into the broader ecosystem
- Increased user adoption
- Higher confidence in the final outputs