Data Science Use Case Template

A - BUSINESS USE CASE
The title should be descriptive of exactly how the use case benefits the business.
B1 - DESCRIPTION
The description should be one or two sentences that describes what the use case does and the benefit it renders.
B2 - ACTORS
An actor can be a person crafting with the system or the system itself. Actors are essentially agents who take action to support an outcome from the system. With respect to actors you'll want to document who the primary actors are as well as any supporting actors and off-stage actors. ● Primary Actor(s) - .. ● Supporting Actor(s) - .. ● Offstage Actor(s) - ..
B3 - PRE-CONDITIONS + POST-CONDITIONS
Preconditions document the things that must be true in order for the system to work and post conditions summarize the output of the system once it's built and running successfully. ● Pre-Conditions .. ● Post-Conditions ..
C - MAIN SUCCESS SCENARIO
The main success scenario should include actor intention as well as a clear statement of the success scenario. Actors intentions are a series of sequential steps that the actors take in order to operate the system and the success scenario is simply the output capability of the system once it's built and running properly. ● Actor Intention .. ● Success Scenario ..
D - INDUSTRIES & FUNCTIONS

Comprehensive use cases will document both the industries and business functions for which they are relevant. ● Industries - ... ● Functions - ...
E - BUSINESS USE CASE DIAGRAM
The business use case diagram is a visual depiction of how the actors interact with this system in a series of sequential steps in order for the system to work properly and achieve its outcome goal.

For data use cases, you also want to include information about the technology that's required to make these systems work as well as the data science methodologies of any relevant vendors and any integrations that this system offers.

Technology Stack	Data Management On-Premise / Cloud / Hybrid Data Management Big Data ● ... Traditional Data ● ... Analytics and Visualization Tools ● Data Visualization: ● Real-Time Stream Analytics: Machine Learning Technologies ● Predictive Modeling Programming Languages: ● Predictive Modeling Applications: ● Deep Learning: ● Real-Time Predictive Analytics: Software Engineering Technologies ● Application Development Programming Languages:
Data Science Methodologies	
Vendor	
Main Integrations	