

# Defining the Problem

## Description

The challenge objective: tell a data story about a subset of the data science community represented in this survey, through a combination of both narrative text and data exploration. A “story” could be defined any number of ways, and that’s deliberate. The challenge is to deeply explore (through data) the impact, priorities, or concerns of a specific group of data science and machine learning practitioners. That group can be defined in the macro (for example: anyone who does most of their coding in Python) or the micro (for example: female data science students studying machine learning in masters programs). This is an opportunity to be creative and tell the story of a community you identify with or are passionate about!

Submissions will be evaluated on the following:

- Composition - Is there a clear narrative thread to the story that’s articulated and supported by data? The subject should be well defined, well researched, and well supported through the use of data and visualizations.
- Originality - Does the reader learn something new through this submission? Or is the reader challenged to think about something in a new way? A great entry will be informative, thought provoking, and fresh all at the same time.
- Documentation - Are your code, and notebook, and additional data sources well documented so a reader can understand what you did? Are your sources clearly cited? A high quality analysis should be concise and clear at each step so the rationale is easy to follow and the process is reproducible

## AIMS Grid

### Purpose

- Tell a data story about a group and help stakeholders to understand the impact, priorities or concerns of the data science community represented in this survey, through a combination of both narrative text and data exploration.

### Stakeholders

- Data science and machine learning practitioners.
- Students who are learning or going to learn DS or ML.

## End Result

- A notebook with a data analysis process which is reproducible every year to analyze and derive insights from the survey.
- A dashboard which will allow stakeholders to understand the impact, priorities or concerns of a group of DS/ML practitioners.

## Success Criteria

- Dashboard uncovering insights at micro level of provided dataset.
- Reduce time for gathering macro level insights from the survey.