















Participants: Micheal O Cobhthaigh, Michele Myong, Sara Mezuri, Nikolas Eptaminitakis, Katherine Martin

Description of Data Sets: For each set of data there is metadata.csv, submission_format.csv, train_labels.csv, validation_labels.csv and folders that contain the training features and validation features.

For the mass spectrometry dataset from the first competition:

 metadata	Microsoft Excel Comma S...	39 KB	No
 submission_format	Microsoft Excel Comma S...	2 KB	No
 supplemental_features	Compressed (zipped) Fol...	82,967 KB	No
 supplemental_metadata	Microsoft Excel Comma S...	10 KB	No
 train_features	Compressed (zipped) Fol...	169,534 KB	No
 train_labels	Microsoft Excel Comma S...	3 KB	No
 val_features	Compressed (zipped) Fol...	65,716 KB	No
 val_labels	Microsoft Excel Comma S...	2 KB	No

For the gas chromatography dataset from the second competition:

Name	Type	Compressed size	Password ...
 metadata	Microsoft Excel Comma S...	39 KB	No
 submission_format	Microsoft Excel Comma S...	2 KB	No
 train_features	Compressed (zipped) Fol...	169,534 KB	No
 train_labels	Microsoft Excel Comma S...	3 KB	No
 val_features	Compressed (zipped) Fol...	65,716 KB	No
 val_labels	Microsoft Excel Comma S...	2 KB	No

Problem we are trying to solve:

Help NASA scientists determine the presence of certain minerals in Mars rock and soil samples. The goal is to automate the analysis of mass spectrometry and/or gas chromatography data so that scientists can more quickly make informed decisions about data collection while on time-limited missions.

Stakeholders and KPIs: NASA (maybe other space agencies exploring whether life has existed or can exist on Mars e.g. SpaceX, European Space Agency)