

# Dynamic Graphing / Data Visualization Tool

Proposal for Colorado School of Mines MCS Field Session, Summer 2016

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## Introduction

Newmont as a leading exploration and gold mining company would like to develop a web based tool which given a JSON array of data, would allow the user to then filter, group and order this data and display it using a variety of graphing options. Newmont stores its data in a number of different databases\repositories. The tool should be developed to bring together data from multiple sources, allowing users to dynamically manipulate and visualize their information in many different ways.

## Objectives

- Explore available open source data visualization libraries and decide on the best technical direction, given the project requirements. E.g. D3.js.
- Establish the project on GitHub with an appropriate level of documentation.
- Develop a JavaScript based tool, to dynamically visualize a JSON array given to it.

## Requirements

1. Strong communication skills, familiarity with Agile practices.

## Work Environment

The work environment and location are completely flexible, but would anticipate a number of face-to-face meetings along with frequent electronic communication as a minimum.

