

Newmont Text Mining

Proposal for Colorado School of Mines MCS Field Session, Summer 2014

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cave mine
athlete
revision mineral
breathe
precise
ignition
humanity
pleasant type
please
typical

Introduction

Newmont Mining Corporation as a leading gold and copper producer is constantly evaluating projects and as such utilizes a range of tools to monitor and evaluate potential opportunities. While these tools are effective they can also be time consuming and somewhat subjective. To assist with project evaluation Newmont would like to develop a Text Mining tool that scrapes information from internal and external resources and uses Text Analytics to identify projects of interest. From Wikipedia: Text mining, also referred to as text data mining, roughly equivalent to text analytics, refers to the process of deriving high-quality information from text. High-quality information is typically derived through the devising of patterns and trends through means such as statistical pattern learning.

Objectives

1. Explore open source text mining, analytics, and visualization tools. Likely will require web development, Python development, and use of R.
2. Develop toolset to scrape information from internal and external sources.
3. Develop predictive models and evaluate project suitability.

Requirements

1. Interest in “big data”, visualization, and analytics.
2. Passionate (or at least curious) about Open Source.
3. Communication skills.

Work Environment

The work environment and location are flexible. Anticipate a number of face-to-face meetings and frequent electronic communication as a minimum.

