Granite Recommender

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Can we recommend a granite based on the product a customer is currently viewing?

Challenges

- No single slab of granite is alike
- There are thousands of different types of granite with various origins (countries)
- Granite names are not entirely reliable since they can be named for competitive advantages

BLACK GALAXY 29229

MAGMA GOLD 024391

WHITE DALLAS 29124

Demo

Business Insights

- Increases the customer experience on the website
- Decreases the time spent processing inventory
- Allows sales representatives to access a tool to match a given product

Further Development

- Increase the models ability to predict more precisely
- Create a Flask web application for the customer to use and interact with on the website
- Develop a mobile application for sales representatives, this application would be able to take a picture with the camera and match it with similar inventory items

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Project Overview

- Trained a Convolutional Neural Network with images of granite
- Recommender selects similar granite based on current product selected