



# What makes a great movie?

Capstone Proposal

Submitted By:

---

**Nathan Minter**

Big Data Developer  
The App Experts  
London

To aid Disney in their ever-increasing efforts to create blockbuster films year-on-year, this proposal is to use freely-available data relating to existing movie releases from a variety of producers to determine what factors are most important for creating successful movie releases.



#### TMDB API

access data for a variety of films  
14th Dec

#### Kafka

provide stream for data transfer  
14th Dec

#### Spark

transfer data from Kafka to Hive  
15th Dec

#### Hive

hold data in accessible database  
16th Dec

#### SciKit-Learn

analyse data from Hive  
18th Dec



**Pipeline managed  
using Apache Airflow**



**Allows better  
decision-making for  
film approval**



**Accurate and reliable  
models for  
blockbusters every  
time**