

# Breaking into the Movie Industry

**Data Analysis**

The background features a dark blue grid. Overlaid on this grid is a light blue bar chart with numerous vertical bars of varying heights. A white line graph with circular markers is also present, showing a fluctuating trend across the width of the image. The text 'Data Analysis' is positioned in the lower-middle section, partially overlapping the bar chart.

# Business Context

**Microsoft is a large, well-known, publicly traded software company with global reach.**

**Microsoft is not known for movies**

**Microsoft now 3rd largest gaming company by revenue**



# Business Context

**The Movie Industry - wide range of established small and large studios**

**Film budgets - indie films to blockbuster hits.**

**Established connections**

**Known Brands with Global Distribution Networks**



# Creating a top 50 film by gross revenue

## REACH

Domestic Release  
V.  
Worldwide Release

## INVESTMENT

Investment size per  
film \$

Expected returns \$\$

## ATTENTION

Ideal time to release

Ideal length



# Data analysis process

STEP 1

Identify and  
clean the data

STEP 2

Analyze range of  
values and  
movie attributes

STEP 3

Visualization  
  
Identify trends  
and patterns

# Movie Data Sets 2010 to 2018

## Box Office Mojo

Tracks box office movie revenue in a systematic, algorithmic way.

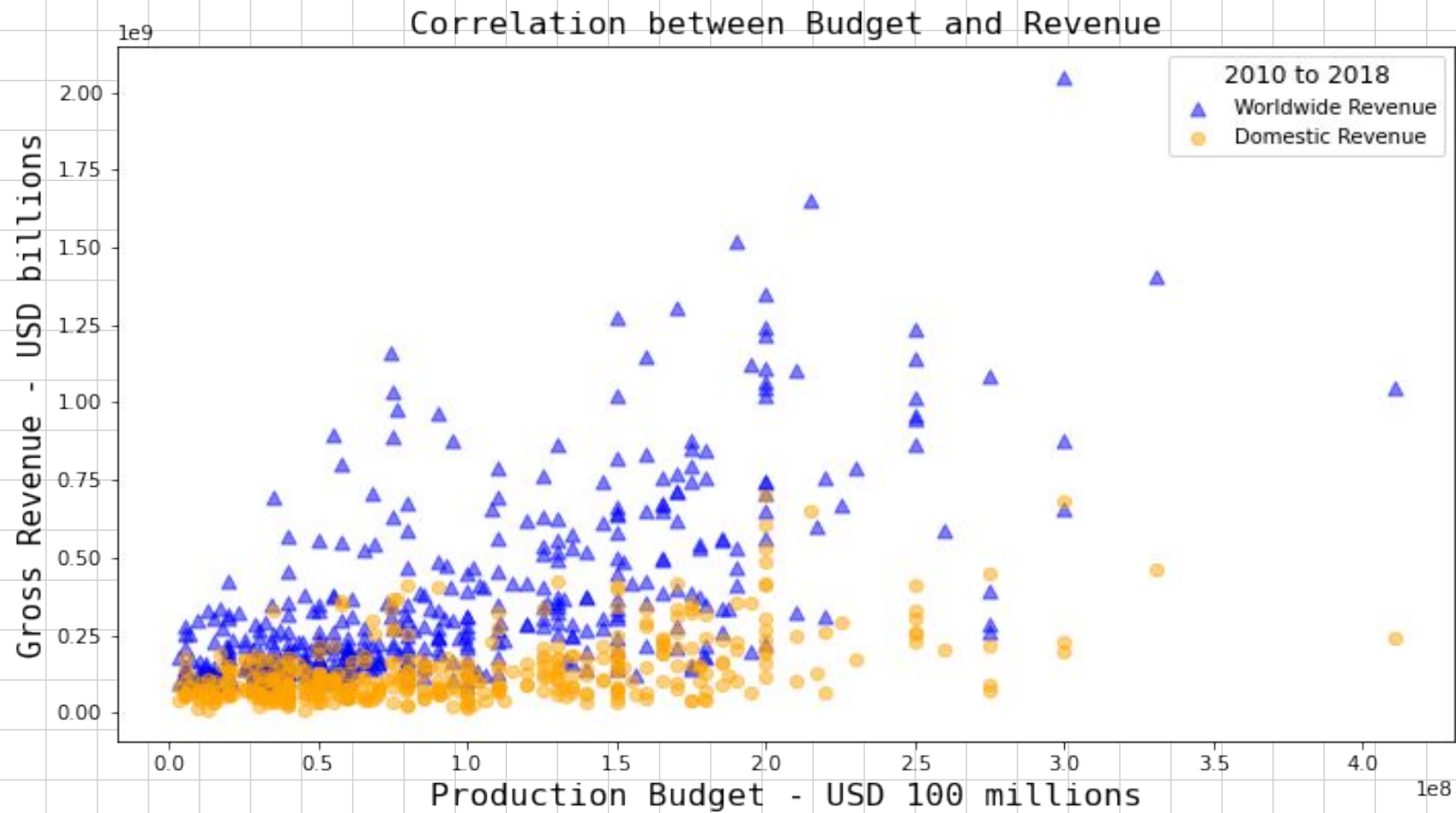
## The Numbers

Tracks movie revenue but also tracks production budgets and costs.

## IMDb

Large database tracks ratings, cast and crew, runtimes, genres, and other movie attributes.





\$75,000,000

Median production costs

\$100,000,000

Median domestic gross

\$239,000,000

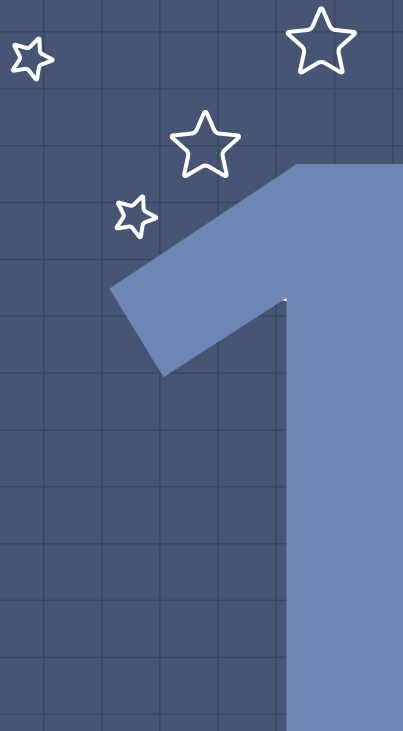
Median total worldwide gross

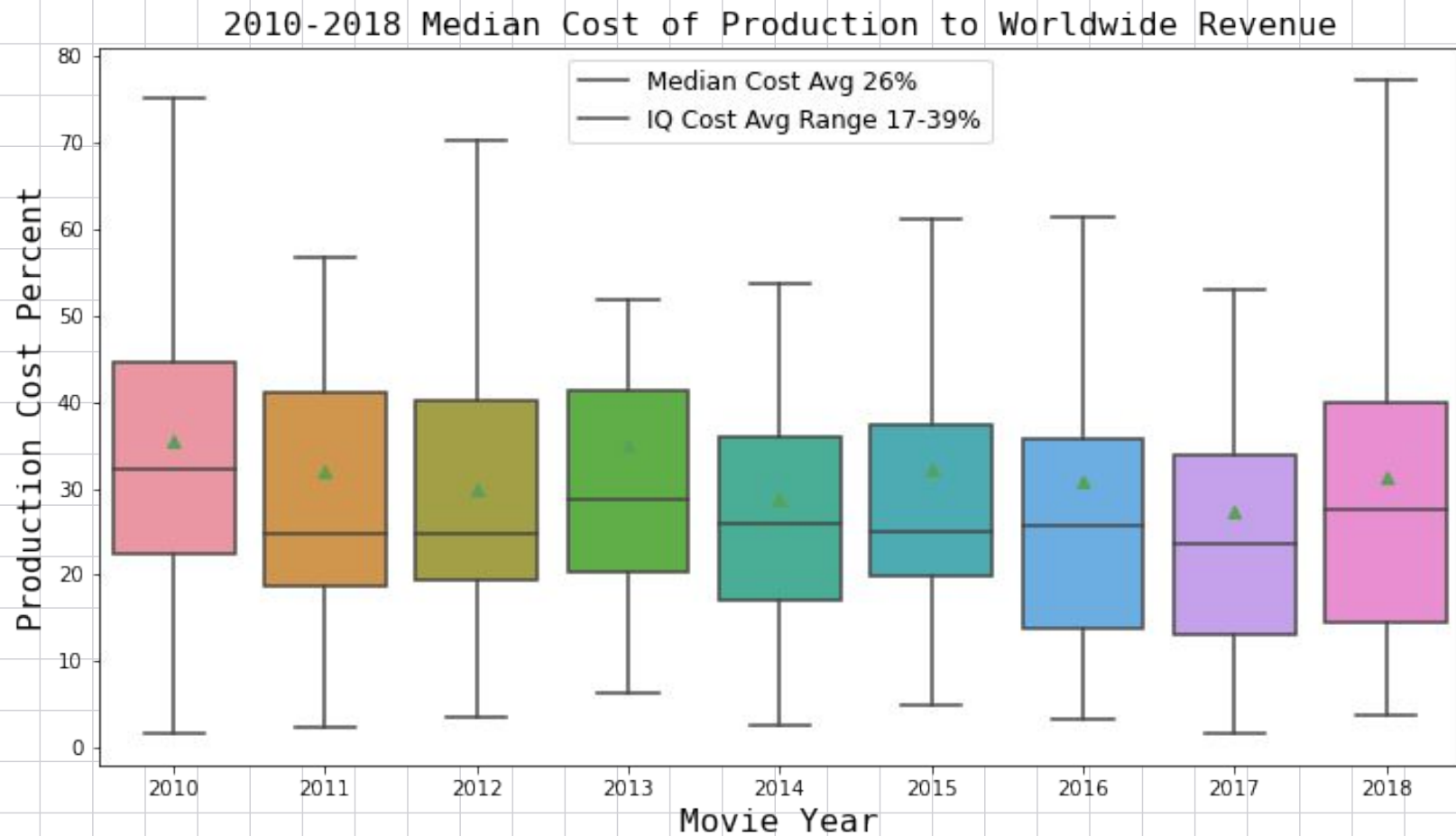




# Reach Recommendation

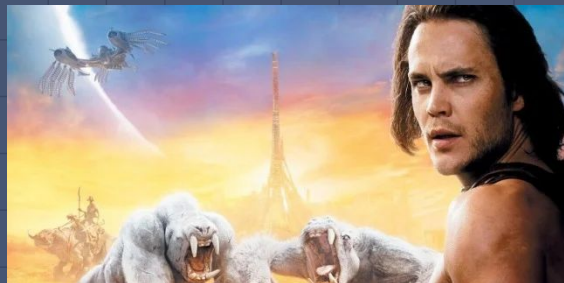
A worldwide release is more likely to cover all production costs and further add to Microsoft's revenue stream







**Black Panther** cost \$200 Million,  
made \$1.35 billion



**John Carter** cost \$263 million,  
made \$282 million



**Arrival** cost \$43 million,  
made \$203 million

# Investment Recommendation

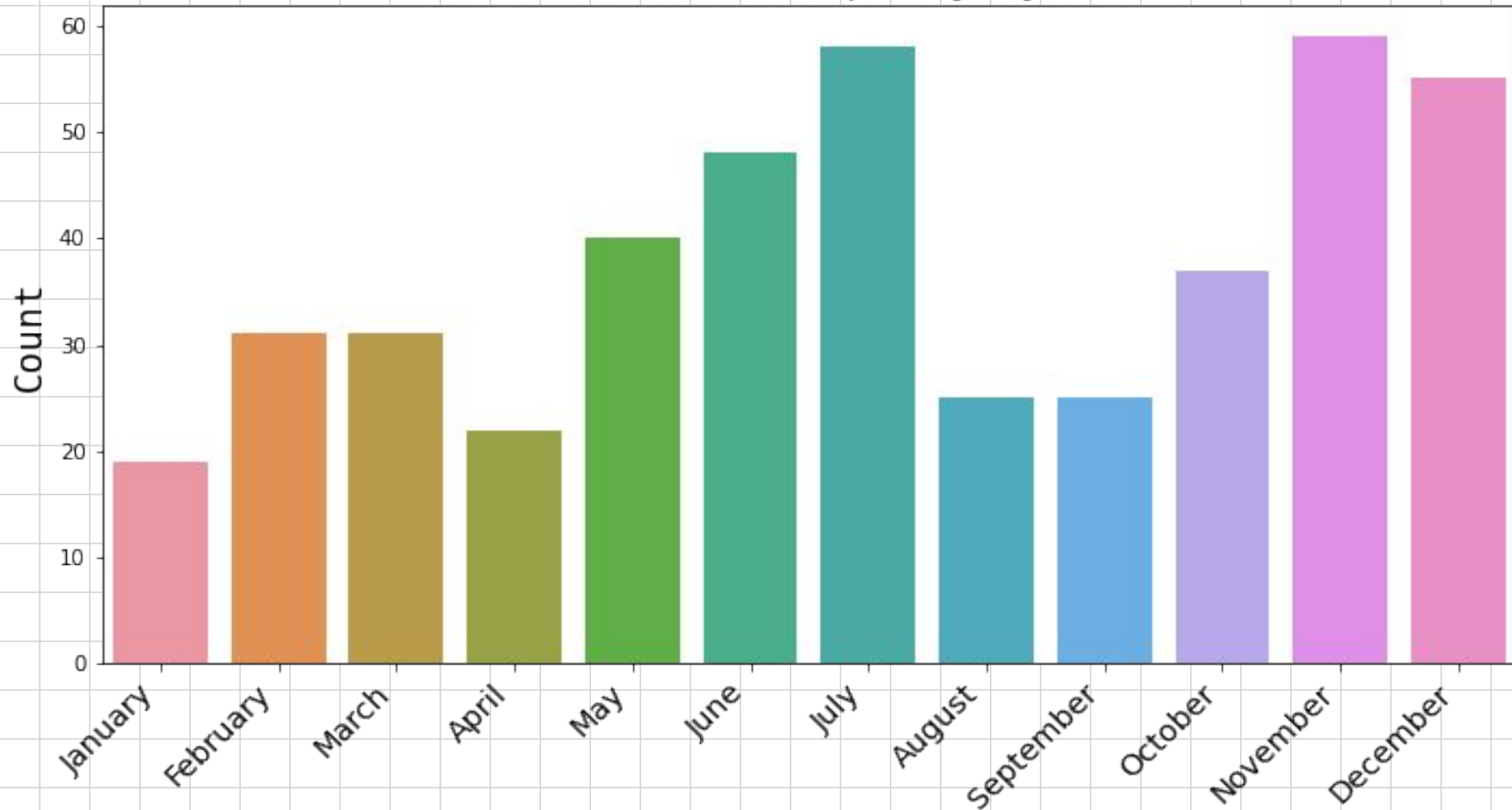
Set aside a budget minimum of \$75 million for initial film.

Invest in two to three movies to start to spread risk.

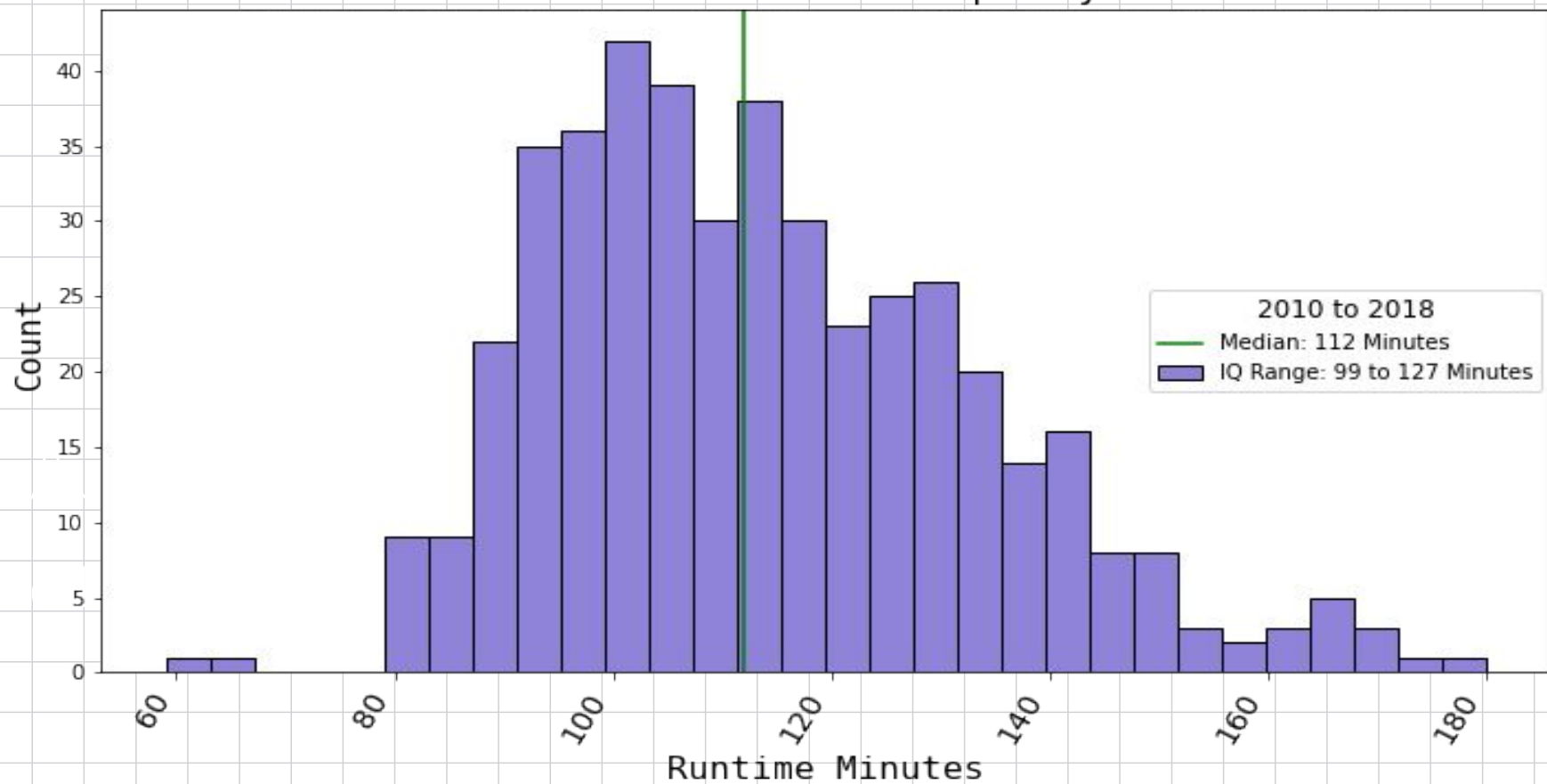
Stay within the \$40 - \$140 million range



# Movie Release Frequency by Month



Movie Runtime in Minutes - Frequency Distribution

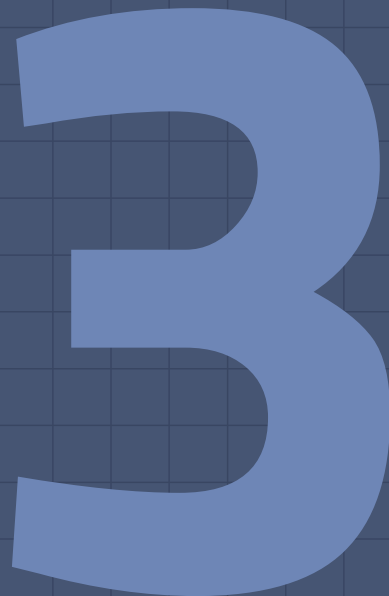


# Attention Recommendation

Release initial film at the end of May, early June

Within the range of 99 to 127 minutes

112 minutes is the sweet spot



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