



Stephen King

An oeuvre to the
"King" of Horror Fiction

Team 3



Michaela Dobbs

- Made Github repo
- Wrote Google Slides



Savannah Serrano

- Helped clean data
- Made plotly charts
- Author Analysis



Sarah Stegall-Rodriguez

- Retrieved data using Google Books API
- Created Flask app
- Network Analysis



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01 Introduction

Michaela



What were we wanting to find?

We were wanting to see **how many books** he made over the **years** and if there was any difference in **genre** (spoiler: there isn't).

We also wanted to see how many books he wrote under his pen name **Richard Bachman** and if he **co-authored** with any other authors.



02 Data Setup



How we did it

We used **Google Books API** to collect data on books by Stephen King and his pen name Richard Bachman.

Because of the restrictions on the API
(**40** records per request),
we completed multiple requests to have a
better picture of books by our authors.



How we did it

Our initial dataset had over **270 documents**.

We imported our data into **MongoDB** which combined our files from each request and allowed us to easily work with our file type (JSON).

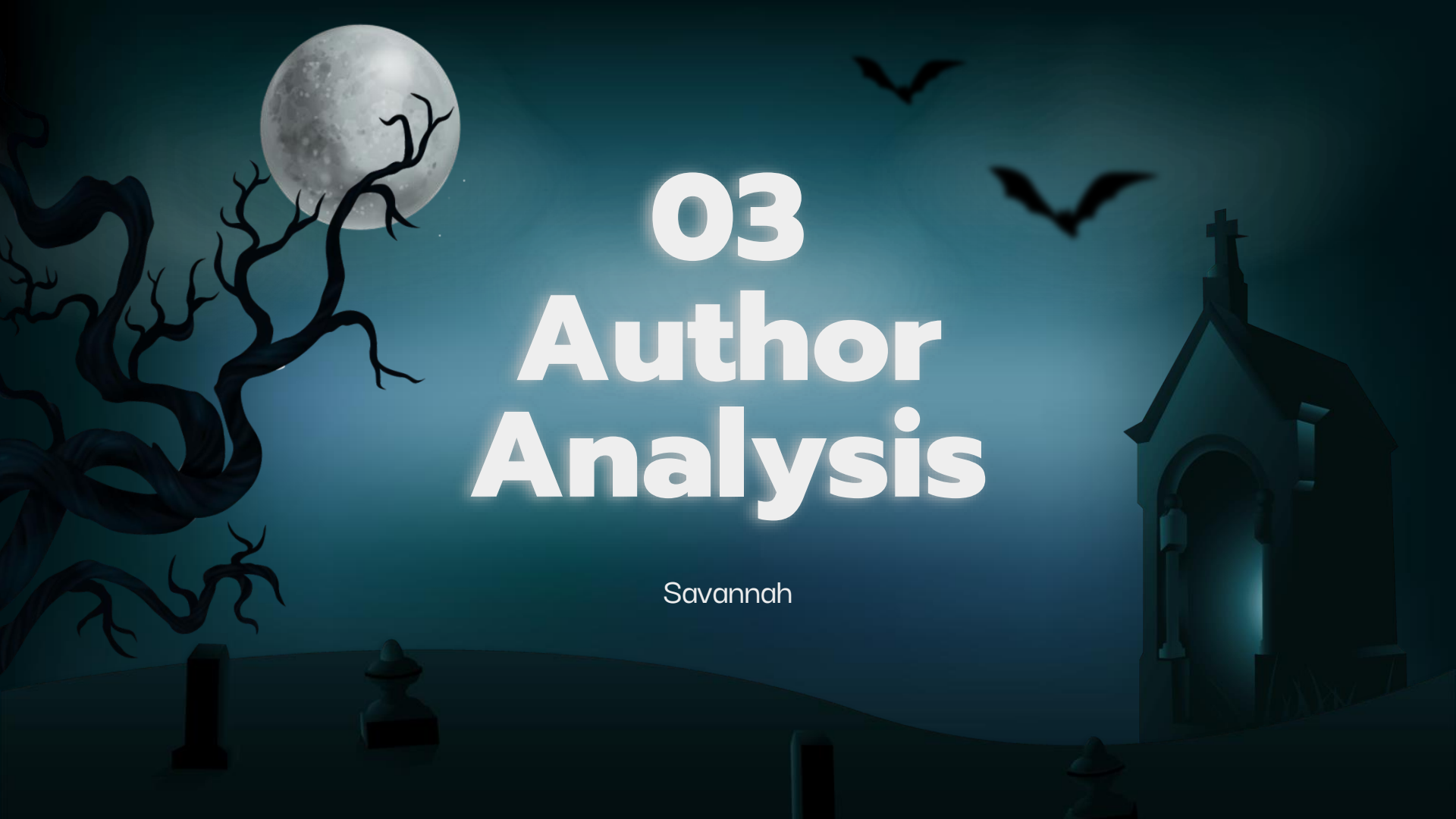


How we did it

Upon review, we discovered our data had duplications, incorrect name spellings, graphic novels, special editions, and the same novels in different languages like Russian and French.

The data was cleaned so that these issues were resolved, resulting in a dataset of **201 documents**.

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    'viewability': 'PARTIAL',
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  'id': 'iCWgDwAAQBAJ',
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  'searchInfo': { 'textSnippet': 'Readers of Stephen King know that Derry, '
    'Maine, is a place with a deep, dark hold on '
    'the author. It reappears in many of his books, '
    'including Bag of Bones, Hearts in Atlantis, '
    'and 11/22/63.' },
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    'averageRating': 4,
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    'description': 'It: Chapter Two—now a major motion picture! '
    'Stephen King’s terrifying, classic #1 New York '
    'Times bestseller, “a landmark in American '
    'literature” (Chicago Sun-Times)—about seven '
    'adults who return to their hometown to '
    'confront a nightmare they had first stumbled '
    'on as teenagers...an evil w
```



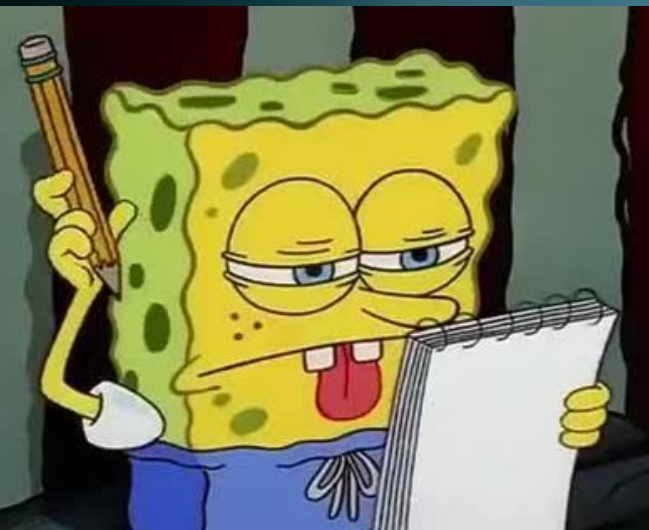
03 Author Analysis

Savannah

Six pages a day?!



Let's do some math!



$$\begin{array}{ccccccc} 6 & * & 20 & = & 120 & * & 3 & = & 360 \\ \text{Pages} & & \text{Day} & & \text{Pages/Mo} & & \text{Mo} & & \text{Pages} \end{array}$$



$$\begin{array}{ccccccc} 360 & (& 40 & * & 12 / 3 &) & = & 17,280 \\ \text{Pages} & & \text{Years} & & \text{Mo} & & & \text{Pages} \end{array}$$

~48

Books

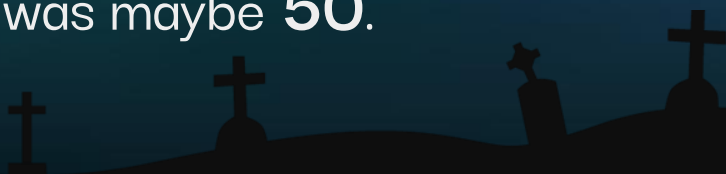
Author Analysis

Six pages a day?

And a new book published every 3 months?

How many books could one man possibly have written in his whole career of writing?

My guess was maybe **50**.



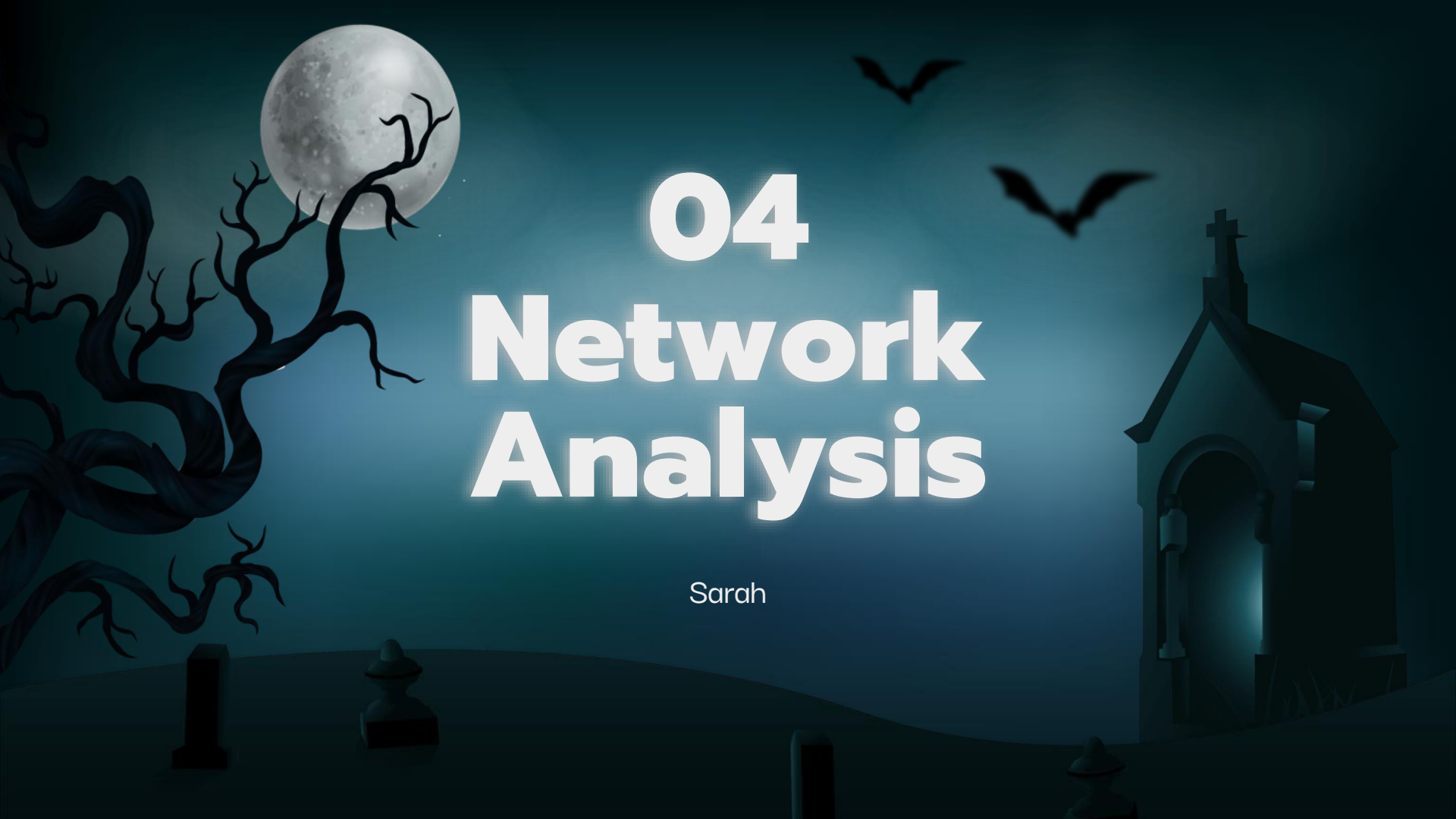
Author Analysis

With that in mind, I wanted to make two interactive charts based off the data of published books:

Line Chart: The line chart shows the books published by Stephen King throughout his career of 40 years (1980-2023).

Bar Chart: The bar chart I wanted to see how many books he wrote under his legal name as Stephen King, pen name Richard Bachman, as well as the works he co authored with based on the data we collected.





04 Network Analysis

Sarah

Graph Theory



What's in a network?



Bachman



King







Thanks!

Questions?

CREDITS: This presentation template was created by Slidesgo, and includes icons by Flaticon and infographics & images by Freepik

