

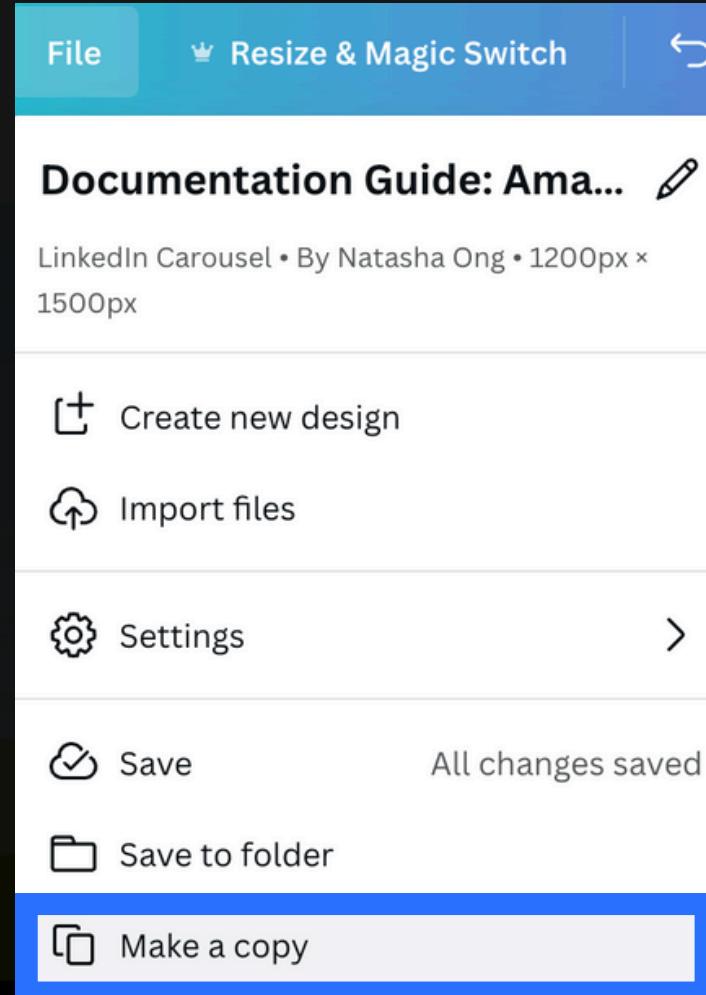
Welcome to your project documentation template on **Amazon QuickSight!**

How I used Amazon

You can't edit this document, so let's
🌟 make a copy 🌟 of this and edit your own
copy. **(Don't forget to delete this page!)**

[YOUR NAME HERE]

- Choose **File** in the top left hand corner.
- Choose **Make a copy**.

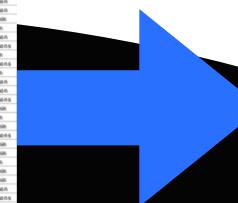


How I used Amazon QuickSight to visualise data



Stuart Turley

TV Show	Jabber's New Orleans	Walter Mitty, India	September 2	2021	TV MA	1	Sat
TV Show	Mighty High Man: Kung Fu King	Zach Galifianakis	September 2	2021	TV MA	1	Sat
TV Show	My Little Pony: A Very Unmagical Valentine	Kimmy Schmidt	September 2	2021	PO	91	Sat
TV Show	The Grand Budapest Hotel	Desi Arnaz	September 2	2021	TV MA	1	Sat
TV Show	The Starving	Theresa Heskins	September 2	2021	PO	103	Sat
TV Show	Bangkok Blue	Karen Gersbach	September 2	2021	TV MA	1	Sat
TV Show	Ice Castle	Karen Gersbach	September 2	2021	TV MA	1	Sat
TV Show	Crimson Crimes: Indict & Detain	Logan Browning	September 2	2021	TV MA	1	Sat
TV Show	Dear With People	Logan Browning	September 2	2021	TV MA	1	Sat
TV Show	Father of the Bride	Logan Browning, Parker Posey, Adam Scott	September 2	2021	TV MA	1	Sat
TV Show	Father of All	Louise Erdrich	September 2	2021	TV MA	2	Sat
TV Show	Family Reunion	Adam Scott	September 2	2021	TV MA	1	Sat
TV Show	Family Reunion: In the Other Room	Logan Browning	September 2	2021	TV MA	1	Sat
Movie	Annie Hall	Allen Alvin, Diane Keaton	September 2	2021	TV MA	1	Sat
Movie	Asian Shamus	K.S. Loh, Karen Hanah, Maia, Genn	September 2	1996	PG	161	Sat
Movie	Get Out! Get Out!	Alia Shawkat, Debra Winger, Paul Kidman	September 2	2021	TV PG	81	Sat
Movie	Love on the Radio	Brooke Smith, Azita	September 2	2021	TV PG	14	Sat
Movie	Marcel's War	Alfredo Quinones, Kapil, Prashant	September 2	1997	TV PG	147	Sat
Movie	Massive Attack	Adrianne Palicki, Michael Ealy	September 2	2021	TV PG	100	Sat
Movie	Dave Stax	Saint Seiya	September 2	2013	PO	13	Sat
Movie	Patrician	Adrienne Landier, Helen Hunt, Jennifer Tilly	September 2	2013	PO	103	Sat
Movie	Patrician: The Last Days of Pompeii	Adrienne Landier, Helen Hunt, Jennifer Tilly	September 2	2013	PO	106	Sat
Movie	Patrician: The Last Days of Pompeii	Adrienne Landier, Helen Hunt, Jennifer Tilly	September 2	2013	PO	106	Sat
TV Show	Chicago Party Assistant	Laurie Ann, Rhys Ifans	September 2	2021	TV MA	1	Sat
TV Show	Saint Educator	Lei Jun Liang, Jia Yu	September 2	2021	TV MA	1	Sat
TV Show	Tiger and Little Tiger	Dale James, Li Jun Bo, Sam	September 2	2020	TV PG	17	Sat
TV Show	The Strength	John Cusack, Gillian Jacobs, Karen Lakin	September 2	2021	TV MA	165	Sat
TV Show	The Angry Birds Movie	Amir Blumenfeld	September 2	2018	TV PG	17	Sat
TV Show	Chikara	Amir Blumenfeld	September 2	2021	TV PG	3	Sat
TV Show	He-Man and the Masters of the Universe	Amir Blumenfeld	September 2	2021	TV PG	17	Sat



Amazon QuickSight

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BEFORE WE START...

What is Amazon QuickSight?

What it does:

- Amazon QuickSight, a component of Amazon Web Services (AWS), is a cloud-based serverless business intelligence platform that allows users to create visualizations and dashboards. QuickSight takes advantage of machine learning to identify anomalies in data and make predictions through its ML Insights feature

Why it's useful:

- Amazon Q in QuickSight makes it easier for business users to use existing dashboards to better inform business stakeholders, distill key insights, and simplify decision-making

How I'm using it in today's project:

- To visualise imported data in csv format to show genres of most watched on Netflix



Stuart Turley

 <https://github.com/raziel007>



STEP ONE

Upload your dataset and a manifest.json file into S3

- S3 is used in this project to: Store objects/Documents
- I edited the manifest.json file by... It's important to edit this file because it directs Amazon Quicksight to the correct Dataset location, enabling accurate analytics

Here's my bucket
with the CSV file and
manifest.json



Amazon S3 > Buckets > nextwork-quicksight-project-stuart-turley

nextwork-quicksight-project-stuart-turley [Info](#)

Objects Properties Permissions Metrics Management Access Points

Objects (2) [Info](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	manifest.json	json	June 19, 2024, 11:33:18 (UTC+01:00)	312.0 B	Standard
<input type="checkbox"/>	netflix_titles.csv	csv	June 19, 2024, 11:26:33 (UTC+01:00)	3.2 MB	Standard



Stuart Turley



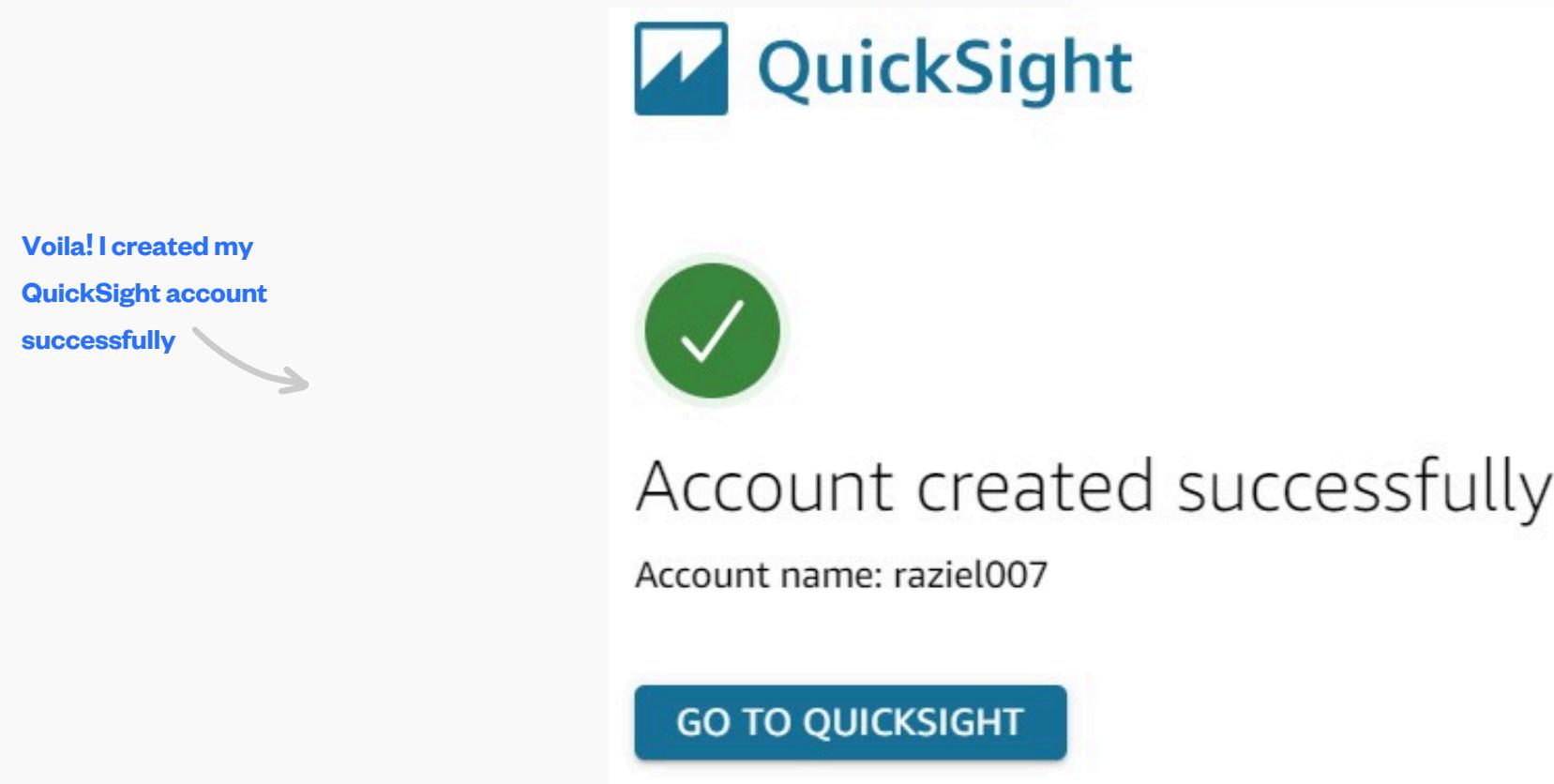
<https://github.com/raziel007>



STEP TWO

Create your Amazon Quicksight account

- Quicksight offers a free trial, so this project cost £0, just be sure to delete your account when you have finished project
- I also had to enable QuickSight's access to S3 because it allows Quicksight to access resources that are hosted in buckets



Stuart Turley



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STEP THREE

Connect your S3 bucket to Amazon QuickSight

- I connected the S3 bucket to QuickSight by specifying the unique bucket name and uploading the metadata file called manifest.json.
- The manifest.json file was important in this step because it helps Quicksight to understand and visualise the data correctly

Entering the
manifest.json URL



New S3 data source X

Data source name

Upload a **manifest file** URL Upload

Connect



Stuart Turley



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STEP FOUR

Let's make visualisations!

- To create visualisation on QuickSight, you'll have to select your dataset and choose the appropriate visualisation, such as Pie/Bar chart etc,
- The chart/graph shown here is a breakdown of netflix genres by title, highlighting trends and preferred categories within the dataset.

One of my first
visualisations



Finish dataset creation ×

Table: kaggle-netflix-data
Estimated table size: 6.5MB SPICE
Data source: kaggle-netflix-data

Import to SPICE SPICE

Email owners when a refresh fails

Edit/Preview data Augment with SageMaker Visualize



Stuart Turley



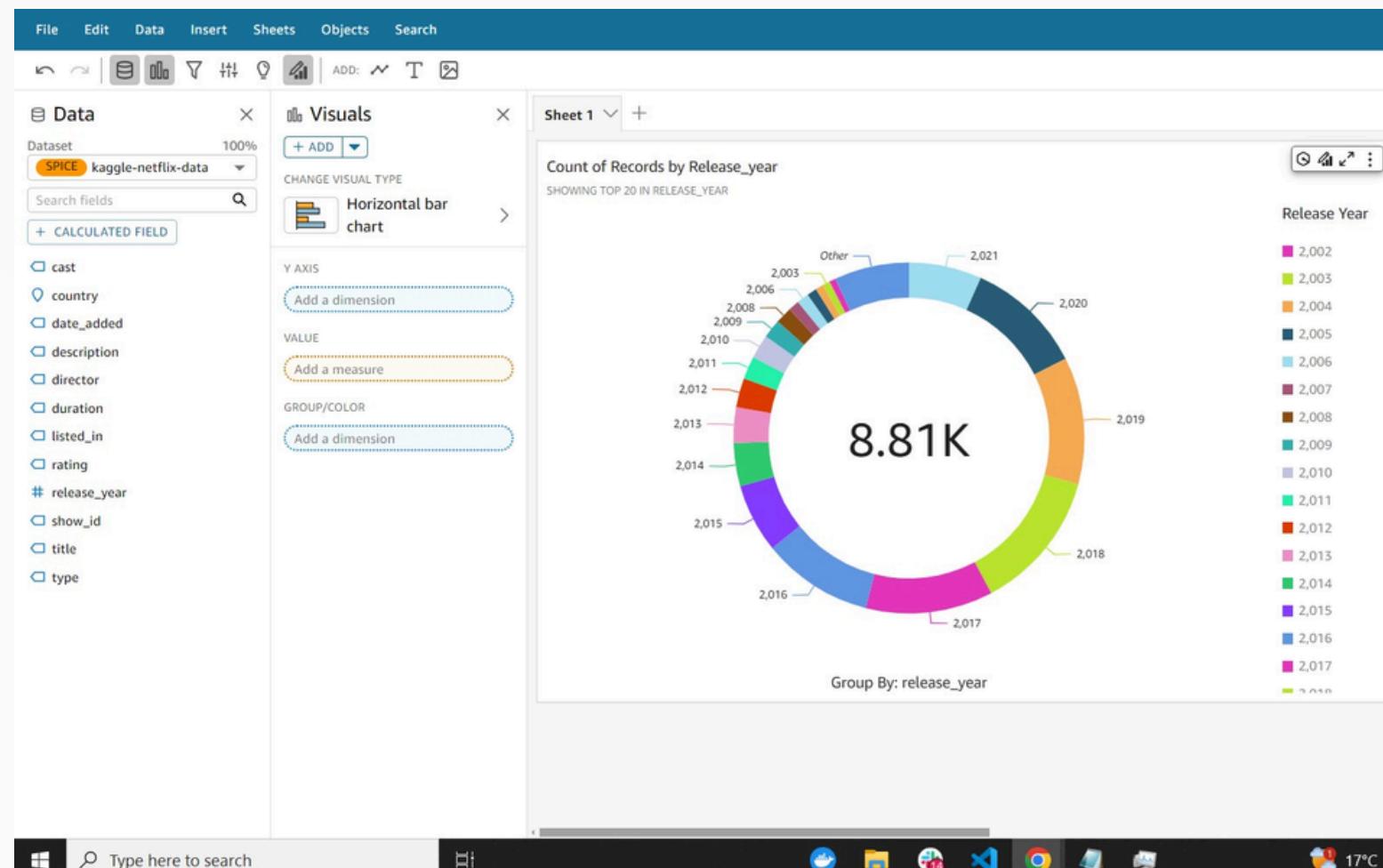
<https://github.com/raziel007>



STEP SIX

Set up your dashboard!

- As a finishing touch, I edited the chart to clearly reflect the content, this ensured that the data required was there at a glance, for ease of use
- Did you know you could export your dashboard as PDFs too? I did this by selecting the Export icon and then generating a PDF, this is a good way to share and archive your data.



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My Key Learnings

01

Explain QuickSight in your own words, Quicksight is a relatively easy way to visualise data, via charts or dashboards.

02

What have you learnt from connecting S3 <> QuickSight? Why did we use manifest.json?
This file acts as a schema that Quicksight can use to visualise the data from given datasets.

03

How did you find creating visualisations on QuickSight? Was it easier than you expected?
Creating insights and dashboards was relatitively straight forward, and the flow was easy to navigate/follow

04

Did you know you could create and publish dashboards using QuickSight?
I had a rough idea, but didnt know how easy it would be, using a few steps and allowing access to the dataset in an s3 bucket



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Final thoughts...

- This project took me excluding documentation took me about 60 mins to complete and about 30 mins to fill out documentation
- Delete EVERYTHING at the end! Let's keep this project free, this is an important step as services used may incur significant charges
- Now that I know how to use QuickSight, in the future I'd use it to create other dashboards to pinpoint trends in customer behaviour and trends
- One thing I didn't expect was, how easy this one was and the time it took to create visually appealing graphical representations of data
- An area of data visualisation I'd like to explore further is... e.g. visualising real-time data, spatial data, combining data visualisation with storytelling, improving readability and comprehension of my dashboards



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