

Google Cloud Platform for Everyone

<Day5> Visualizing with Google Charts </Day5>



Course Page

a

https://gcpe2023.github.io/Day05







Event Page

<u>a</u>

https://bit.ly/GCPEDay05







Previous Workshop



Implementing Vision API

- 01 Introduction to Google Drive and Cloud Storage
- 02 Introduction to Cloud Vision API
- 03 JSON Files and Google Sheets
- 04 Hands-on Receipt Data Extraction





slido

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Data Visualization

Data Visualization





Graphical Representation 010110 101101 100010

Data Readability



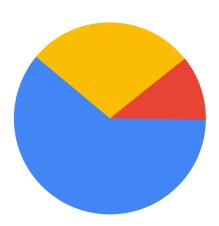
Trends Spotting

Do you choose the right graph?

Pie Charts



- O1 Suitable for discrete categorical variables
- O2 Shows the proportion for each variable
- 83 Shows how each variable contribute to a whole
- 04 Can be difficult to read small differences
- O5 Can only show one set of data at a time

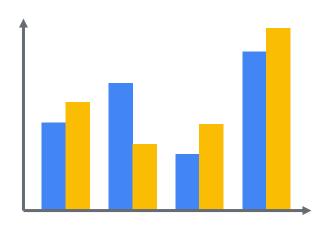




Bar Charts



- O1 Suitable for discrete categorical variables
- 82 Shows the actual value for each variable
- O3 Easier to read by comparing bar heights
- 04 Can be vertical or horizontal
- O5 Can make comparisons between sets of data





Line Graphs



- O1 Suitable for continuous variables
- O2 Shows the trends or patterns between variables
- 03 Commonly used in visualizing time series data
- 04 Can be difficult to read overlapping data
- 05 Can make comparisons between sets of data





Where do we create graphs?

Looker Studio



- 81 platform for data visualization
- Wide range of customization options
- 8 Builds dashboard with graphs
- 04 Owned by Google Cloud
- **05** Requires subscription





Google Charts



- 01 Web-based tool to create charts
- 02 Customization options are limited
- 03 Generate individual graphs and charts
- 04 Used by Google Developers
- 95 Free to use







Embedding Google Charts

What is <iframe>?



- 01 A HTML tag
- 02 Known as inline-frame
- O3 Loads another HTML elements inside of a web page
- 04 Access content without leaving the current website
- O5 Commonly used to embed specific content like ads, videos and other interactive elements

```
<iframe
    src="/default.asp"
                          <!-- Specifies URL to be displayed -->
                          <!-- No borders or scrollbars -->
    seamless
    frameborder="0"
                          <!-- Specifies the display of borders -->
    scrolling="no"
                          <!-- Specifies the display of scrollbars -->
    width="100%"
                          <!-- Sets the width of iframe -->
    height="300"
                          <!-- Sets the height of iframe -->
>
</iframe>
                          <!-- Closes the iframe tag -->
```





Hands-On Session



Google Maps Platform

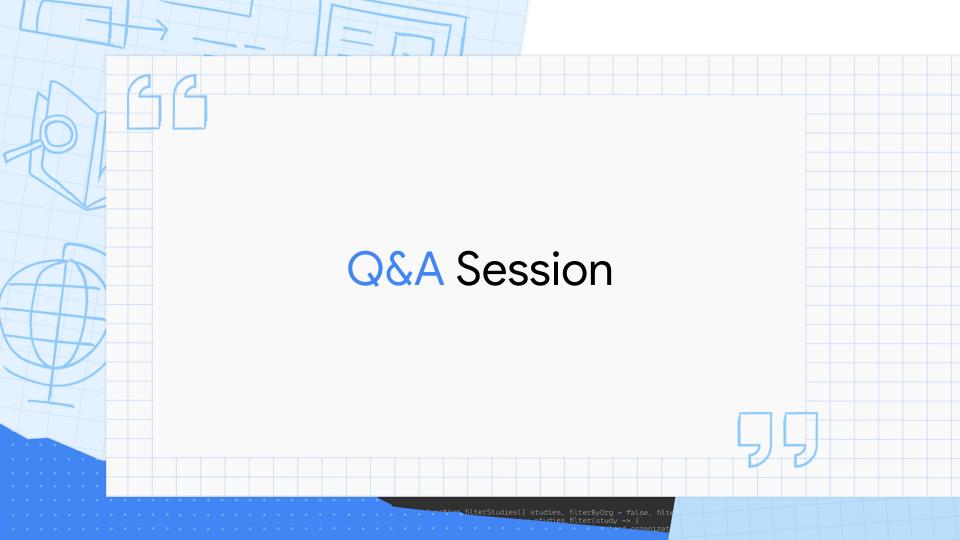


Google Maps Platform



- 01 A set of APIs (Application Programming Interface) and SDKs (Software Development Kit)
- O2 Allow developers to embed Google Maps into mobile apps and web pages
- 03 Retrieving data from Google Maps
- 04 Display real-time maps
- 05 Geocoding, Geolocation, Maps Embed API









Google Cloud Platform for Everyone

<GCPE2023> Recap </GCPE2023>















Photos















Photos













Photos













Photos













Photos

- 01 History of Google Cloud
- 02 laaS, PaaS and SaaS
- O3 Cloud Digital Leaders learning path
- Hosting Minecraft server on Google Cloud VM Instance

- 01 Introduction to HTML and CSS
- O2 Styling website with CSS
- Website hosting theory
- 04 Hands-on session with Firebase

- 01 Introduction to API
- 02 Introduction to NodeJS
- 03 GET and POST requests
- 04 Linking frontend and backend with Google Sheets API

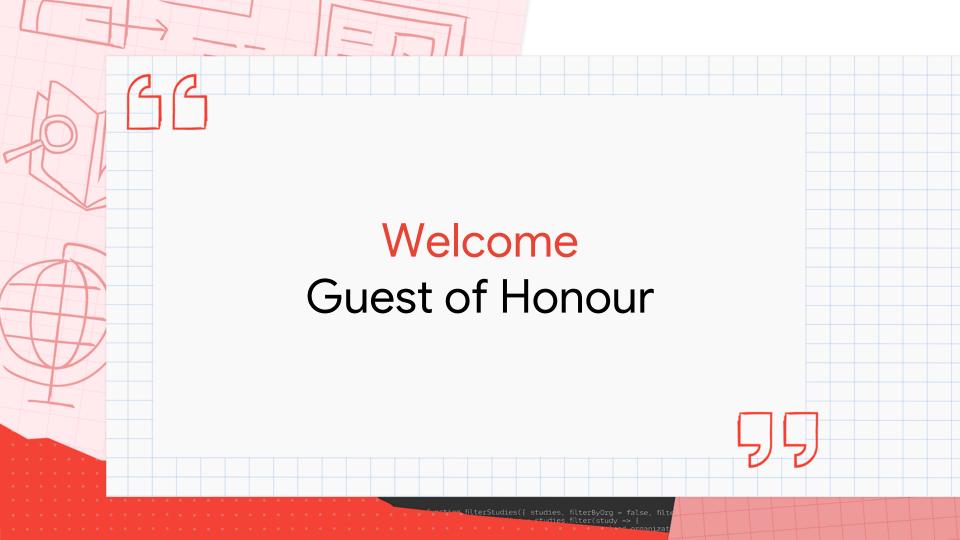
- 01 Introduction to Google Drive and Cloud Storage
- 02 Introduction to Cloud Vision API
- 03 JSON Files and Google Sheets
- 04 Hands-on Receipt Data Extraction

- 01 Introduction to data visualization
- O2 Choosing the right visualization techniques
- Overview of Google Maps Platform
- 04 Embedding Google Charts in website using <iframe>

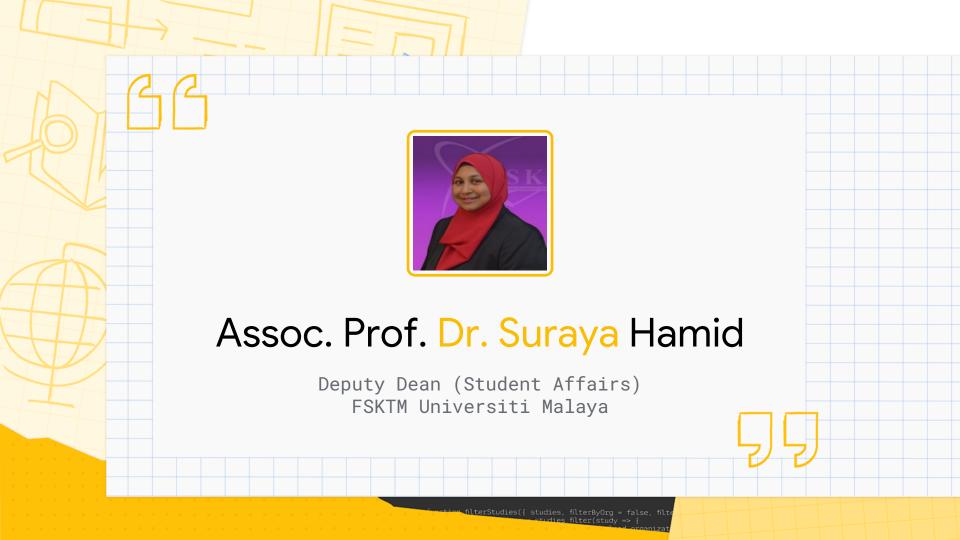


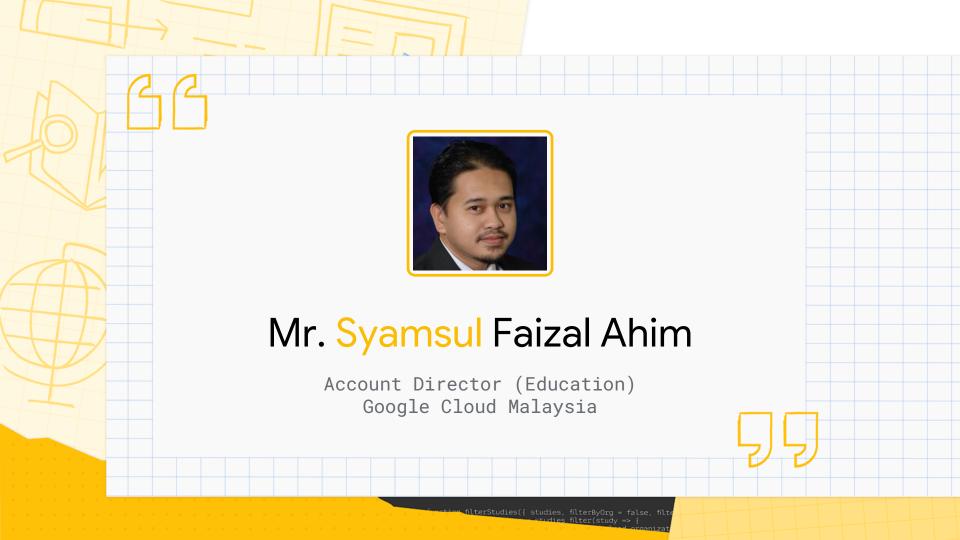
Project Review Experience GCP **Linking Website** ıl. Visualizing Content Output Day 01 Day 02 Day 04 **Day 03 Day 05** Hosting on Implement Functionality Firebase **Event Recap**











Prize Giving Ceremony

<Day5> Data Visualization </Day5>



Cloud Digital Leaders

https://www.cloudskillsboost.google/paths/9

- 01 All courses are FREE
- O2 Get a digital BADGE upon completion of each course
- 8 Be updated with the LATEST technological trends
- 04 Prepare to be Google Cloud certified





Thank You

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