


Slide 1



Western Cape
Government
Education


Western Cape Education Department

Directorate eLearning


Masterclass Part 3:

**In-time data visualisation using
Google Data Studio**

Start time: 10h30



Register while you wait
<https://>



Welcome

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About Me

House Rules

1. Please turn off your camera.
2. Please mute your microphone.
3. Please post all your questions in the chat.

1. 2. 3.


27:30

Are you here? Prove it by signing in session register please. Link in Chatline

Note to presenter should the question arise: If more than 350 attends, interactivity is limited. Also, those outside of WCED might have challenges with interactivity.



WCED eLearning has prioritised digital reporting, data visualisation and systemic change training. This series forms part of this learning category. We will speak a bit later again about the series.



Today we will look at:

Data visualisation using Google Data Studio

- Setting up a data studio report
- Connect to data source
- Design report
- Add a page with charts
- Customize interface
- Publish, share, protect and send schedule reports
- Q & A

Are you here? Prove it by signing in session register please. Link in Chatline

What is Data Studio?

Data Studio is a **free** tool that turns your data into informative, easy to read, easy to share, and fully customizable dashboards and reports. Use the drag and drop report editor to:

- Tell your data story with **charts**, including line, bar, and pie charts, geo maps, area and bubble graphs, paginated data tables, pivot tables, and more.
- Make your reports **interactive** with viewer **filters** and **date range** controls. The data control turns any report into a flexible template report that anyone can use to see their own data.
- Include **links** and clickable **images** to create product catalogues, video libraries, and other hyperlinked content.
- Annotate and brand your reports with **text** and **images**.
- Apply **styles** and **colour themes** that make your data stories works of data visualization art.

In this session you will learn how to create your report on data studio:




This workshop will be demonstrative and practical and today we will look the following as indicated in this slide, which we will break down in the following slides.

Data Studio

This is a practical session

- Open another Window/Tab where you can work on the Google Data studio (preferably using Google Chrome browser)
- Log in with your google account
- Try to keep up with the tempo and don't get stuck somewhere.
- Remember that if you fall behind you can review the recording after the session.

Please type all questions in the chat. I will monitor and address them as far as possible. Use Gif, Chat and Emoji's to interact.



Slide 7



Share with attendees: <https://datastudio.google.com/>

Please feel free to ask questions and to follow along as we embark on this journey.

Form: <https://forms.gle/Vi5S8gDXdGdhj1CE9>

Live Data link: https://docs.google.com/spreadsheets/d/1kaPV5uiXOmHqKOp_vutG-KFf4AMMPf_MTzDfi9utEtM/edit?usp=sharing

Setting up a data studio report

- Access Google data studio
- Navigate to different templates but create new blank report
- Sign up account
- Add data to report
(Select Google Sheet with URL- provided by Trainer)
- Rename the report



Connect to data source



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- Add and remove fields
- Rows per page
- Add summary row
- Primary and secondary sort



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Design report

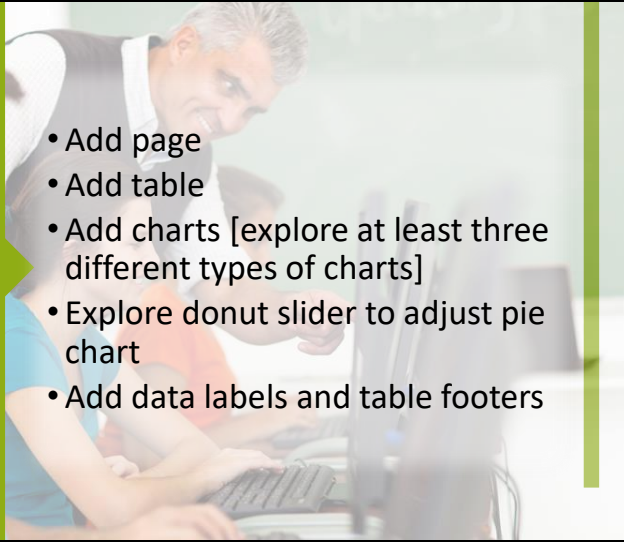
- Move and resize tables
- Resize column width
- Explore theme and layout panel
- Snap to grid and explore best vertical alignment
- Add image (header)
- Add textbox, shapes and lines

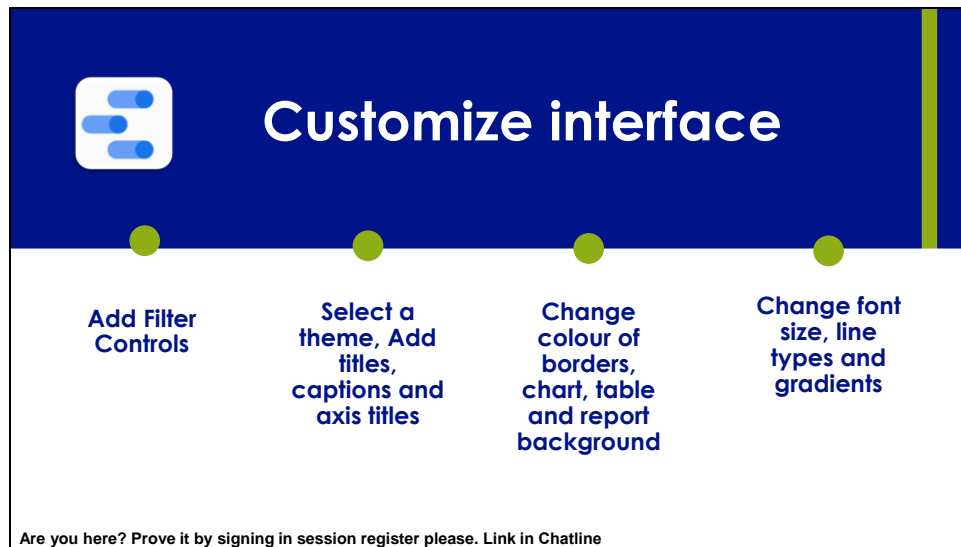




Add a page with charts

- Add page
- Add table
- Add charts [explore at least three different types of charts]
- Explore donut slider to adjust pie chart
- Add data labels and table footers





The slide features a dark blue header with a white icon of three horizontal bars with blue dots on the left. To the right of the icon, the text "Customize interface" is written in white. Below the header, there are four green dots arranged horizontally. Under each dot is a text block. The first text block says "Add Filter Controls". The second text block says "Select a theme, Add titles, captions and axis titles". The third text block says "Change colour of borders, chart, table and report background". The fourth text block says "Change font size, line types and gradients". At the bottom of the slide, there is a small text line: "Are you here? Prove it by signing in session register please. Link in Chatline".

Customize interface

- Add Filter Controls
- Select a theme, Add titles, captions and axis titles
- Change colour of borders, chart, table and report background
- Change font size, line types and gradients

Are you here? Prove it by signing in session register please. Link in Chatline

Publish, share, protect and send schedule reports



Explore view, edit and share



Explore schedule email delivery



Explore download options [All pages/Select pages]


Slide 14



Mr. Snipes #

Spreadsheet series

Track 1



Working with Spreadsheets

The purpose of the workshop (1h30min) is to guide teachers, management and administrative officials to effectively use spreadsheets to do calculations.

Data visualisation using graphs: Spreadsheets

The purpose of the workshop (1h30min) is to guide teachers, management and administrative officials to effectively use spreadsheets to visualise data using graphs.


Data visualisation using pivot tables in Excel

The purpose of the workshop (1h30min) is to guide teachers, management and administrative officials to effectively use spreadsheets to combine data and to visualise data using pivot tables.

The first track is less advance and makes use of Microsoft Excel. This will be rolled out to schools starting 13 July 2021 but all those that missed some of the sessions and want to join, you are more than welcome to register for these as well. Minute 0005 has been circulated by registry and registration is open.

Spreadsheet series

Track 2



Masterclass 1: Google form and sheet integration overview

The purpose of the workshop (1h30min) is to guide teachers, management and administrative officials to effectively use spreadsheets when integrating Google forms and Google sheets.

Masterclass 2: Data manipulation, automation and data protection using Google sheets

The purpose of the workshop (1h30min) is to guide teachers, management and administrative officials to effectively manipulate, automate and protect datasheets.

Masterclass 3: In-time data visualisation using Google Data Studio

The purpose of the workshop (2h) is to guide teachers, management and admin officials to effectively prepare and visualise spreadsheet data in data studio.

The second track is more advance and makes use of google products. Today's session was the last of the series. This will be rolled out to schools starting 13 July 2021 but all those that missed some of the sessions and want to join, you are more than welcome to register for these. Minute 0005 has been circulated by registry and registration is open.

