



Mahidol University
Faculty of Science

Stang Mongkolsuk Library
and Information Division



Stang Library Training
Information skills for you

The 7th

Data Visualization with Looker Studio

Chalermpan Tatip

Stang Mongkolsuk Library & Information Division

Faculty of Science, Mahidol University



Looker Studio

26 November 2025

Future of Jobs Report 2025











by World Economic Forum

<https://www.weforum.org/publications/the-future-of-jobs-report-2025/>

Future of Jobs Report 2025

Core skills in 2025



1.  Analytical thinking
2.  Resilience, flexibility and agility
3.  Leadership and social influence
4.  Creative thinking
5.  Motivation and self-awareness
6.  Technological literacy
7.  Empathy and active listening
8.  Curiosity and lifelong learning
9.  Talent management
10.  Service orientation and customer service

 Cognitive skills  Self-efficacy  Working with others  Management skills  Technology skills  Engagement skills

Note: The skills selected by surveyed organizations to be of greatest importance to workers at the time of the survey.

Source: World Economic Forum. (2025). *Future of Jobs Report 2025*.

The image shows a hand holding a tablet that displays a comprehensive business analytics dashboard. The dashboard includes several data visualizations and tables:

- Top Left:** A horizontal bar chart comparing sales data across multiple categories.
- Top Right:** A donut chart showing the distribution of sales across different segments, with a legend on the right.
- Middle Left:** A table titled "Global Business Sales Forecasting" showing monthly sales data for reseller, buyers, and retailer.
- Middle Right:** A donut chart showing the distribution of sales across different segments, with a legend on the right.
- Bottom Left:** A line chart showing sales trends over time, with a legend on the right.
- Bottom Center:** A world map showing global sales distribution.
- Bottom Right:** A table titled "Global Business - Sales planning" showing monthly sales data for reseller, buyers, and retailer.

The hand holding the tablet is positioned in the foreground, with the background showing a blurred image of a person in a white shirt.

Dashboard = Control Room



Government Control Room



Source: <https://insights.samsung.com/2022/03/02/integrating-control-room-display-solutions-improves-public-safety/>

Nuclear Tracking

A HOUSE OF DYNAMITE

DIRECTED BY
KATHRYN BIGELOW
WRITTEN BY
NOAH OPPENHEIM

IN SELECT THEATERS OCTOBER 10



NETFLIX | OCTOBER 24



Source: <https://youtu.be/hU0traB5LRs?si=hkJnRKqqB2a7qMpb>

Looker Studio vs Power BI vs Tableau



Looker
Studio

Free



Free/Paid



Free/Paid



Wow!!!

Looker Studio

Your data is beautiful. Use it.

Unlock the power of your data with interactive dashboards and beautiful reports that inspire smarter business decisions. It's easy and free.

USE IT FOR FREE

Website : <https://lookerstudio.google.com/>

From Google Data Studio to Looker Studio



Google
Data Studio



Looker
Studio

Website: <https://datastudio.google.com/>

Free

Website: <https://lookerstudio.google.com/>

Still Free

Looker Studio Free vs Looker



Looker
Studio

Website: <https://lookerstudio.google.com/>

Free



Looker
PART OF Google Cloud

Website: <https://cloud.google.com/looker>

Paid

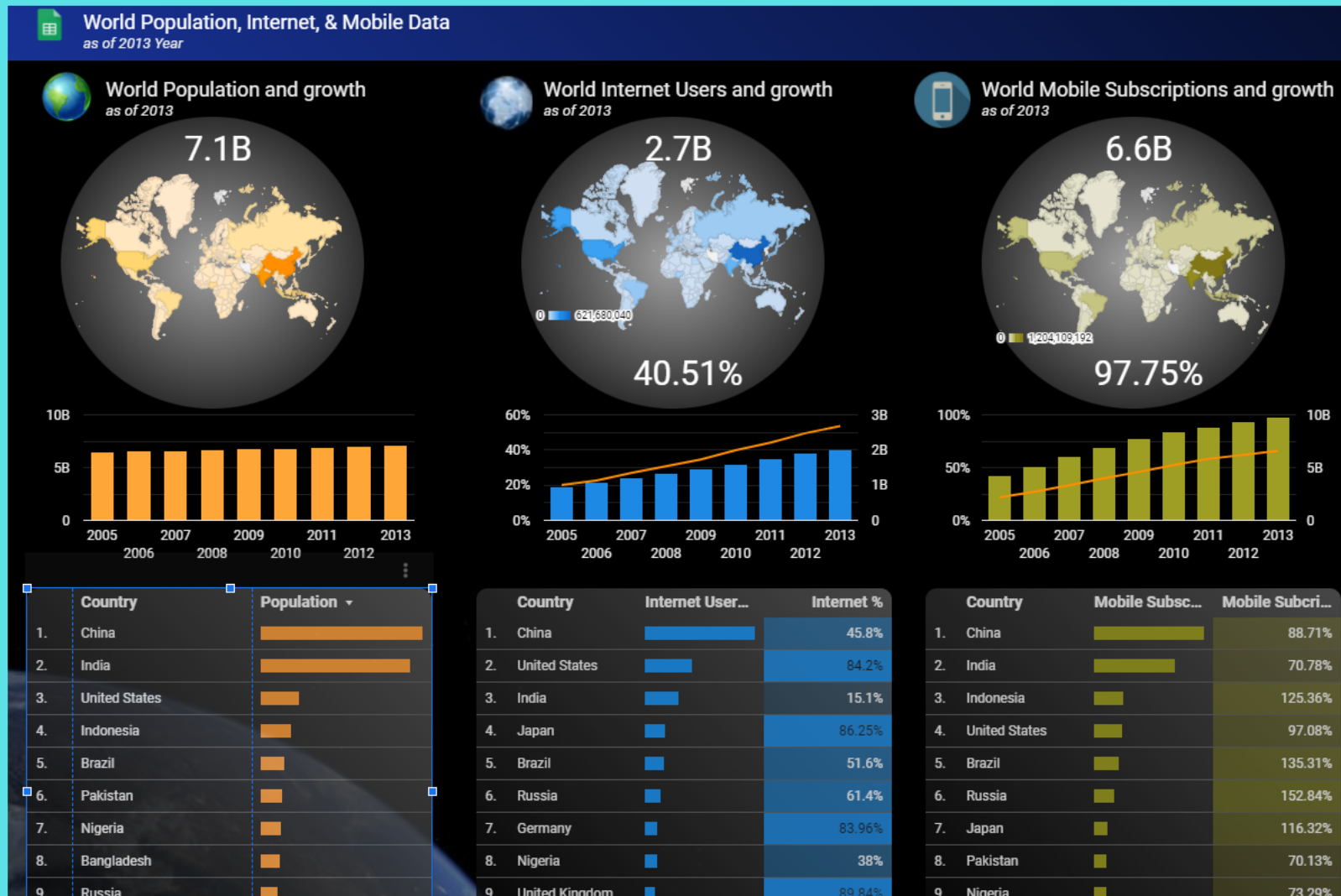
The Main Components of Looker Studio

[Sample] Population Sample Report

File Edit View Insert Page Arrange Resource Help

Reset Share

Add page Add data Add a chart Add a control Theme and layout



View ?

Chart > Table

DATA STYLE

Data source: Default ([Sample] World...)

BLEND DATA

Date Range Dimension: Add dimension

Dimension: Country

Drill down: [Toggle]

Metric: SUM Population

Optional metrics: [Toggle]

Metric sliders: [Toggle]

Rows per Page: 10

Summary row: [Toggle] Show summary row

Sort: SUM Population, Descending

Available Fields:

- Country
- Country Code
- Year
- Year (YR)
- Female %
- Internet %
- Internet Users
- Mobile Subscriptions
- Mobile Subscriptions
- Population

Looker Studio



1. Connect

2. Transform

3. Visualize

4. Manage

5. Share

1. Connect to your data

Connecting to your data involves the following components:

- Login your Google account
- Prepare your data
- Add data to a new report
- Select data source & data set



1. Connect to your data



Google Account

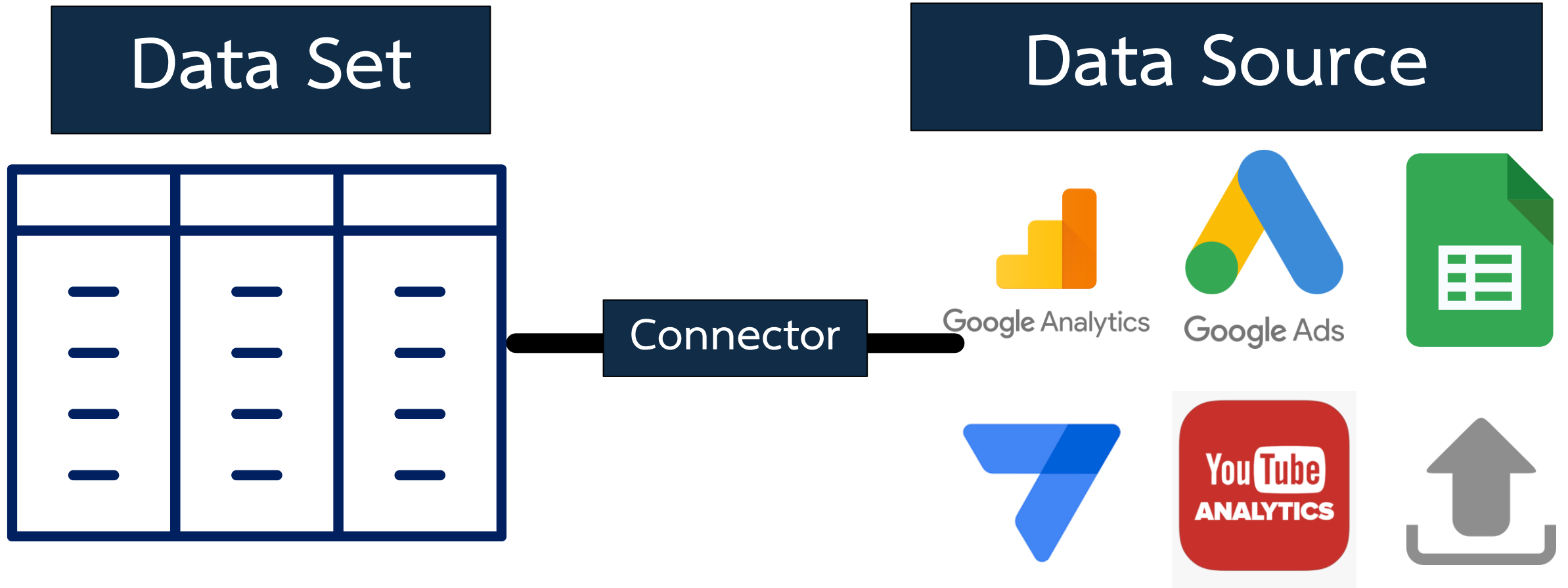
- @gmail.com
- @mahidol.ac.th
- @student.mahidol.ac.th



Google Sheets

- Go to Google Drive
<https://drive.google.com>

1. Connect to your data



2. Transform your data

Enhance or modify your data, you can do so in several ways:

- **Aggregation** - The method used to summarize data. For example, sum, average, min, or max.
- **Blend** - Data derived by joining fields from different data sources, or multiple instances of the same data source.
- **Calculated field** - A field you create in a data source or a chart based on a formula you provide.



2. Transform your data



Data Cleansing คือ กระบวนการทำความสะอาดข้อมูล
ตั้งแต่การแก้ไข ลบ และจัดรูปแบบข้อมูล ก่อนนำข้อมูลไปวิเคราะห์

No	Product	Type	Price	Amount
1	Clock	ยี่ห้อเพื่อนมา	99999	1
2	Phone	iPhone	23999	10
3	Fan	Hatari	899	20



ข้อควรระวัง

- ตรวจสอบความถูกต้องของรูปแบบภาษาและตัวสะกดให้ถูกต้อง
- ไม่ทำการ Merge หัวตาราง หรือ Cell ร่วมกัน
- เลือกรูปแบบข้อมูล (Format) ให้เหมาะสมกับข้อมูลแต่ละประเภท
- ไม่ใช้รูปแบบข้อมูลมากกว่า 1 รูปแบบ ในช่อง Cell เดียวกัน
- กรอกข้อมูลให้ครบถ้วน ไม่ปล่อยให้ช่อง Cell ว่าง

No	Product		Price	Amount
1	Clock	ยี่ห้อเพื่อนมา	99,999 บาท	1.00
2	Phone		23,999 บาท	10.00
3	Fan	Hatori		20.00



3. Visualize your data

Visual report editor to build your reports by adding components:

- Charts, tables, maps, and graphs
- **Controls are components** that can filter or refine the data in your charts and turn your reports into interactive experiences for your viewers.
- **Other types of components** let you add **text annotations**, **shapes**, **images**, and embedded content from other applications, such as **web pages and video**.



3. Visualize your data



Dimensions

A set of values by which you can group your data.

Dimensions are categories of information.

The values contained in those categories are typically names, descriptions or other characteristics of that data.



Metrics

A specific aggregation applied to a set of values.

Metrics are aggregations that come from the underlying data set, or that are the result of implicitly or explicitly applying an aggregation function, such as COUNT(), SUM(), or AVG().

3. Visualize your data

Sheet Name: My Inventory

Row (Horizontal)

The diagram shows a table with four columns: 'No', 'Item Name', 'Color', and 'Quantity'. The first three columns are grouped by a yellow box labeled 'Dimensions' with an upward arrow. The 'Quantity' column is highlighted with a red box and labeled 'Metrics' with an upward arrow. A dashed arrow above the table points from left to right, labeled 'Row (Horizontal)'. A dashed arrow to the right of the table points from top to bottom, labeled 'Column (Vertical)'.

No	Item Name	Color	Quantity
1	Hat	Black	10
2	Coat	Red	20
3	Coat	White	30

Column (Vertical)

Dimensions

Metrics

4. Manage resource

Manage your Looker Studio assets:

- **Manage** added reports and data sources
- **Rename** reports, data sources, and blends
- **Copy** a report or a data source
- **Remove** a report or a data source



5. Share and Collaborate

Invite specific people or share more broadly by turning on link sharing, even if they don't have a Google account:

- Invite people
- Schedule email delivery
- Get report link
- Embed report
- Download as PDF

Permissions to the reports that you share:

- Can View
- Can Edit



Workshop



มหาวิทยาลัยมหิดล
คณะวิทยาศาสตร์



สถิติประชากรไทยปี 2567

จำนวนประชากรทั้งหมด
65,951,210



จำนวนประชากรชาย
32,145,282



จำนวนประชากรหญิง
33,805,928

จำนวนประชากรไทย จำแนกตามจังหวัด

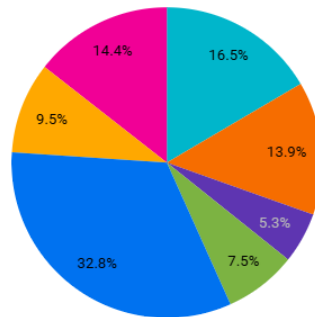
ชื่อจังหวัด ▲	จำนวน (คน)
1. กระบี่	483,855
2. กรุงเทพมหานคร	5,455,020
3. กาญจนบุรี	896,351
4. กาฬสินธุ์	962,444
5. กำแพงเพชร	700,862
6. ขอนแก่น	1,772,381
7. จันทบุรี	536,388
8. ฉะเชิงเทรา	733,131
9. ชลบุรี	1,635,525
10. ชัยนาท	313,759

1 - 77 / 77 < >

จำนวนบ้าน (หลังคาเรือน)
29,128,519



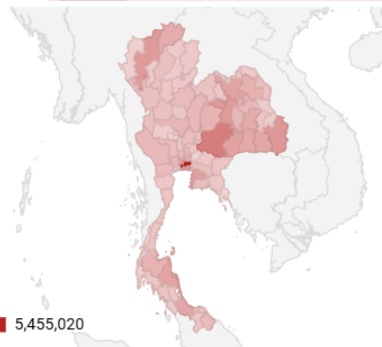
จำนวนประชากรไทย จำแนกตามภูมิภาค



- กรุงเทพมหานครและปริมณฑล
- ภาคกลาง
- ภาคตะวันออก
- ภาคใต้
- ภาคเหนือ
- ภาคตะวันออกเฉียงเหนือ
- ภาคตะวันตก

ค้นชื่อจังหวัด

Search



186,784 5,455,020

Let's get started

URL: <https://lookerstudio.google.com/>

