

Where do you get drinks in Excel: Formula bar - Workshop 6

Cleaning Data

Overview

- 01.** The need for data cleaning
- 02.** Data cleaning process
- 03.** Live demonstration
- 04.** Conclusion and deliverables

01. The need for data cleaning

02. Data cleaning process

03. Live demonstration

04. Conclusion and deliverables

Origin story of Excel

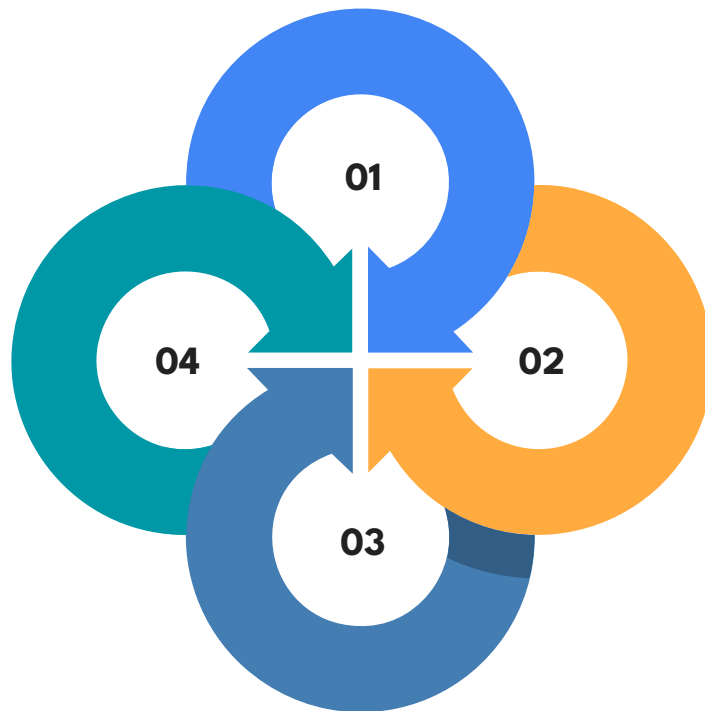
- Excel appeared in 1988.
- Developed as a simple spreadsheet program. Used capture data
- Over the years, Excel has undergone significant improvements and feature additions.
- Today, it is a powerful tool for data analysis, visualization, and manipulation.



Excel lives on

Excel's versatility makes it suitable for various industries, such as finance, marketing, and data science.

Proficiency in Excel is often a required skill for many job positions.



Due to its widespread usage and familiarity, Excel has become a standard practice in most businesses.

It allows professionals to organize and analyze data efficiently.

“My Data Is Clean”

Every single company believes their data is clean

- Organization: Cleaning data ensures tidiness and secure storage of various information.
- Accuracy: Regular cleaning avoids mistakes in daily operations, like using incorrect data for personalized communications.
- Productivity: Clean data saves time by removing irrelevant or outdated information.
- Cost Savings: Regular data checks prevent costly mistakes and processing errors.
- Improved Data Mapping: Clean data simplifies data collation and mapping for better infrastructure and application development.



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5 Steps to cleaning data

Remove rows of high missing data

Calculate 5 number summary

Impute missing values

Correct or remove outliers



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Live Demonstration

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Conclusion and deliverable

Process your data so that you are ready to build your first dashboard

Your Checklist:

Download your data from Github

Clean your data as shown in the demo on excel or sheets

Upload or push your clean data to Github