



# United Nations International Day of Women and Girls in Science

What can you **Learn from Data** and how do you **Get Started** ...



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- Certified Data Management Professional (CDMP Associate - Master Level)
- Microsoft Certified Trainer 2020/21
- Microsoft Certified: Data Analyst Associate (DA-100, PowerBI)
- Enterprise Big Data Professional - Big Data Framework
- Tableau Desktop Specialist
- The Open Group Certified: TOGAF®9 (Level 1)
- ITIL Foundation certificate in IT Service Management (ITILv3)
- Control Objectives for Information and Related Technology (COBIT2019 - Foundation)
- British Computer Society Data Protection (GDPR - Foundation)

## Professional Domains

# Conversation

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1. Introduction to what is data analytics in support of **Gender Equality**
2. What is **Microsoft PowerBI**
3. Using Microsoft PowerBI to develop dashboards/reports
4. Starting a **Data-Oriented** career
5. Questions and Answers (Discussion)

# What is Data Analytics ?



## Sustainable Development Goal (SDG) 5 Gender Equality

Achieve gender equality and empower all women and girls

**Target 5.b:** Enhance the use of enabling technology, in particular information and communications technology, to promote the empowerment of women

[sdgs.un.org/goals](https://sdgs.un.org/goals)



? Where does data analytics come in ...

# ...what is Data Analytics (Definition)

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**Data Analytics (DA)** is the process of **examining** data from chosen sources in order to **discover insights** and **draw conclusions** about the information they contain.

1. Examine/Analyse
2. Discovery of Interesting Facts
3. Informed Decision Making ...

# ...what is Data Analytics (Context)



**Lerato**  
Armed Services



**Palesa**  
Police Services

Side A

Side B

Priorities Border



**'Maneo**  
Bank Teller

**Neo**

**Keke**

## Priorities

- National Safety and Security
- Lowering crime statistics
- Promoting crime counter measures

## Priorities

- Protection and security for her children
- Good neighbourhood with good moral values
- Safe job/working environment

Where should we setup camp?

Where should we live?

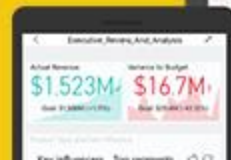
# What is Microsoft PowerBI



**B.I. - Business intelligence:** Informed decision making that is in the best interest of a business.



# Power BI



# Starting a Data-Oriented Career

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## Data is EVERYWHERE

You don't have to be a data analyst, data scientist, data engineer, data specialist or a data **whatever**

## EVERYONE is a Data Analyst

To make decisions in some capacity we must analyse a set of facts to guide our decision-making process.



# Next Steps



Visit: [www.codepool.tech](http://www.codepool.tech)



## PROJECTS PORTFOLIO

Here are some projects with covered for our clientele.

- ALL
- WEB APPLICATIONS
- DATA ANALYTICS
- IT SUPPORT

The portfolio grid contains the following items:

- isoc.org.ls**: A dark-themed image with a link icon.
- theafricanbookclub.com**: A photo of a young girl reading a book with a link icon.
- learn.codepool.tech**: A photo of a person at a computer with a link icon.
- Tableau Desktop Specialist**: The Tableau logo with the text "Desktop Specialist".
- Power BI Microsoft**: The Power BI logo with the Microsoft logo below it.
- COBIT 2019 ISACA**: The COBIT 2019 logo with ISACA below it.
- VMware**: An illustration of people around a laptop with the VMware logo.
- CYBER SECURITY BEST PRACTICES**: An illustration of a person at a computer with various security icons.
- ITIL 4**: The ITIL 4 logo and a diagram of the ITIL 4 model.

# Learning Resources

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1. [www.codepool.tech](http://www.codepool.tech) and <https://www.facebook.com/girlscodingacademy.ls>

## 2. Microsoft PowerBI Desktop Download (Free)

- <https://powerbi.microsoft.com/en-us/downloads/>

## 3. Microsoft Learn (Free)

- <https://docs.microsoft.com/en-us/learn/certifications/exams/da-100>

## 4. DA-100 Exam Reference Guide (Paid)

- <https://www.amazon.com/Exam-100-Analyzing-MicrosoftPower-ebook/dp/B08Q7SGF9G>

## 5. Definitive Guide to DAX (Paid)

- <https://www.sqlbi.com/books/the-definitive-guide-to-dax-2nd-edition/>

## 6. Recommended Learning Blogs

- <https://guyinacube.com/> and <https://www.youtube.com/c/GuyinaCube> - Adam Saxton and Patrick LeBlanc
- [https://www.youtube.com/channel/UC7T\\_528unh2ZgnVcx1sl7oA](https://www.youtube.com/channel/UC7T_528unh2ZgnVcx1sl7oA) - How to get an analytics job - John David Ariansen

## 7. Training Paths (Microsoft)

- Data Engineer: <https://docs.microsoft.com/en-us/learn/certifications/roles/data-engineer>
- Data Scientist: <https://docs.microsoft.com/en-us/learn/certifications/roles/data-scientist>