SQL Saturday Toronto 2023

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[Toronto Data Professionals Community (TDPC),](#) one of the largest data professional's community in Toronto, host monthly event which offers interactive learning built by community and guided by trusted data experts.

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Toronto Data Professionals Community (TDPC)

SQL Saturday (#1064)

Power BI git integration end-to-end demo

Why so serious ...

There are two types of people in this world: those that can extrapolate from incomplete data

someecards
user card
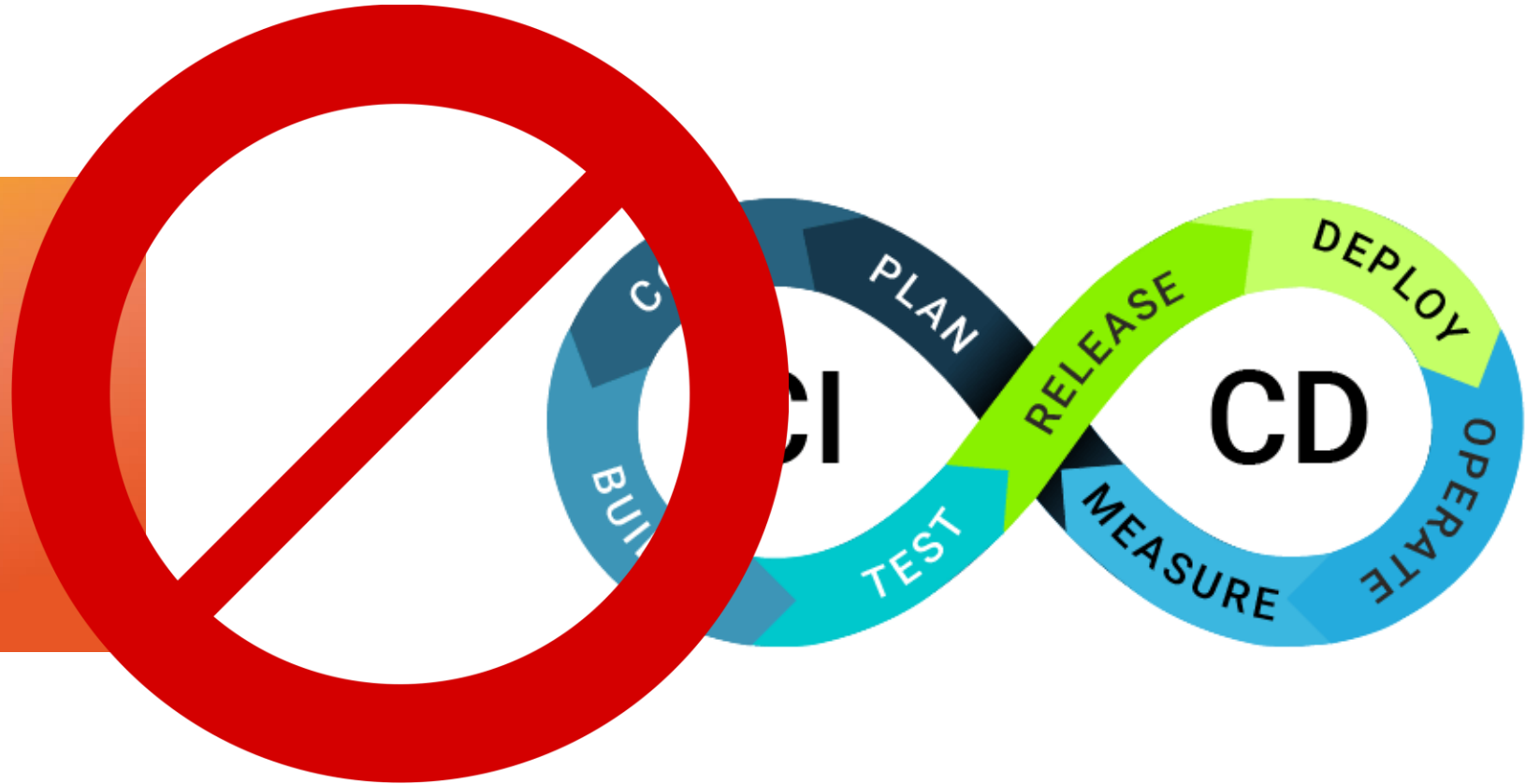
I am ...

Michael Olafusi

- 12 years in the BI and data analysis domain

- 9x Microsoft MVP (2014 – 2024, with a year gap)

- Microsoft Certified Trainer (2018 - 2024)

- Used to run a consulting company with 8 staff and handling clients across four continents. The toughest part was making payroll and filing taxes. The fun part was the freedom and ability to fully focus on value creation.

- Moved to Canada in January this year

- Love motorbiking – got a Honda CBR650R

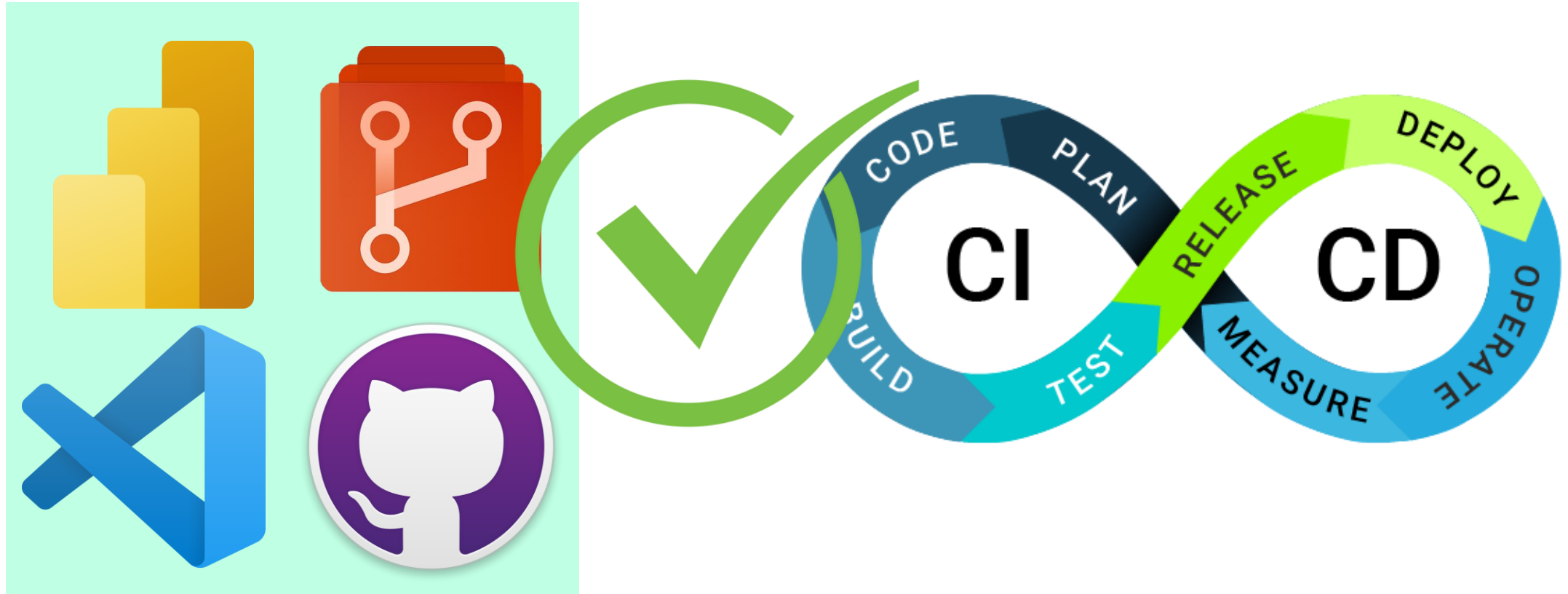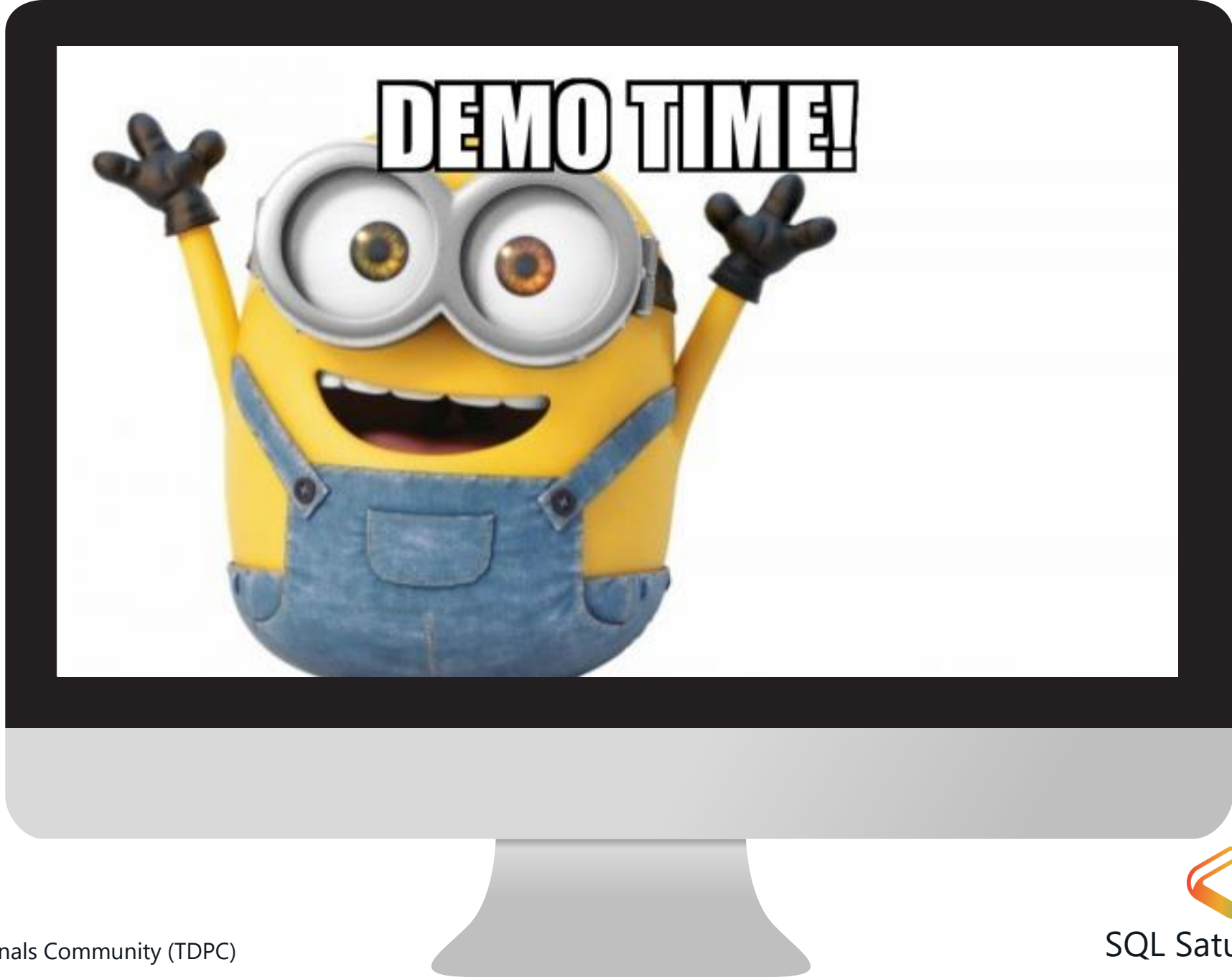- Live in an expensive tiny condo alongside my wife, Hannah, and 2-year-old Sophia

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Previously …

Power BI Developers

CI

CD

PLAN
BUI[LD]
TEST
RELEASE
DEPLOY
OPERATE
MEASURE
C[ODE]

But Now ...

DEMO TIME!

Understanding PBIP ...

definition.pbidataset	10/20/2023 11:26 PM	PBIDATASET File	1 KB
item.config.json	10/20/2023 11:26 PM	JSON File	1 KB
item.metadata.json	10/20/2023 11:26 PM	JSON File	1 KB
model.bim	10/20/2023 11:26 PM	BIM File	63 KB

📁 Adventure Works Cycle LLC.Dataset

📁 Adventure Works Cycle LLC.Report

StaticResources	10/20/2023 11:26 PM	File folder	
definition.pbir	10/20/2023 11:26 PM	Microsoft.Microso...	1 KB
item.config.json	10/20/2023 11:26 PM	JSON File	1 KB
item.metadata.json	10/20/2023 11:26 PM	JSON File	1 KB
report.json	10/21/2023 8:33 AM	JSON File	20 KB

Dataset files ...

definition.pbidataset

item.config.json

item.metadata.json

model.bim

o **localSettings.json** holds local user/computer dataset settings (mostly access/security settings) and should be included in gitIgnore

o **editorSettings.json** holds dataset editor settings (autodetect relationships, show hidden fields, parallel query loading etc) saved as part of dataset definition for use across users and environments

o **cache.abf** is the local cached copy of the model and data. Should be included in gitIgnore

o **unappliedChanges.json** holds saved but unapplied queries. Okay to leave within git

o **model.bim** is the Tabular Model Scripting Language (TMSL) database object

o **definition.pbidataset** holds the overall definition of the datasets used and their core settings

o **diagramLayout.json** holds the metadata of the structure of the datasets used. Not to be edited.

o **item.config.json** holds the source control id data

o **item.metadata.json** contains the report attributes (type, display name and description)

Report files ...

StaticResources
definition.pbir
item.config.json
item.metadata.json
report.json

o **localSettings.json** holds local user/computer dataset settings (mostly access/security settings) and should be included in gitIgnore

o **CustomVisuals** folder holds the metadata for any private custom visual used (not added from store)

o **RegisteredResources** folder holds report specific resources like custom themes, images custom visual pbiviz files. You can externally edit exiting resources but can't add new because of report.json edit restriction

o **datasetDiagramLayout.json** holds the data model diagrams of dataset structure. Not to be edited.

o **definition.pbir** holds the report definition and core settings. It is what you click to open the entire Power BI reports

o **mobileState.json** holds the mobile layout and behaviour settings. Not to be edited.

o **report.json** holds the definition of the report artefacts – visuals, page layout, interactions etc. Not to be edited.

o **item.config.json** holds the source control id data

o **item.metadata.json** contains the report attributes (type, display name and description)
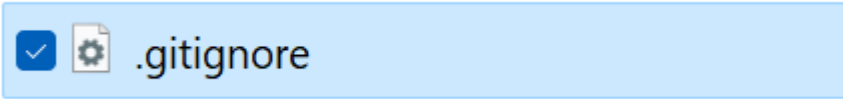
Setting .gitignore ...

☑ ⚙ **.gitignore**

**/.pbi/localSettings.json
**/.pbi/cache.abf

Data_Lake (D:) › SQLSaturday › SQLSaturday › PowerBI ›

Name	Date modified	Type	Size
📁 Adventure Works Cycle LLC.Dataset	10/20/2023 11:26 PM	File folder	
📁 Adventure Works Cycle LLC.Report	10/21/2023 8:33 AM	File folder	
📄 Readme.md	10/20/2023 11:21 PM	Markdown Source...	1 KB

Thank You!

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