



//DevCon/ 2021

Accelerating Indonesia's Digital Economy



Power BI

Artificial Intelligence Capabilities & CI/CD

Gananda Hayardisi

Senior Customer Engineer – Data & AI





Power BI product portfolio

Author



Power BI
Desktop

Free data analysis
and report
authoring tools

Share and
collaborate



Power BI
service

Cloud-based modern
business analytics
solution

Large scale
deployments



Power BI
Premium

Dedicated capacity
for increased
performance

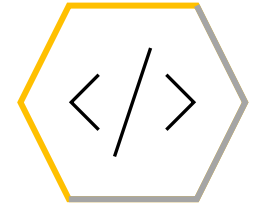
Share and
collaborate



Power BI
Report Server

On-premises report
server

App dev



Power BI
Embedded

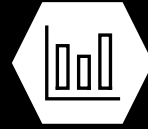
Visual analytics
embedded in your
applications



AI Powered Analytics



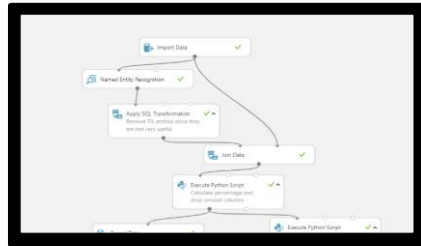
Data Scientists



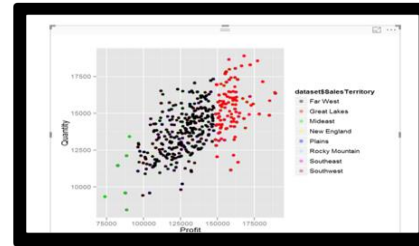
Analysts



End users



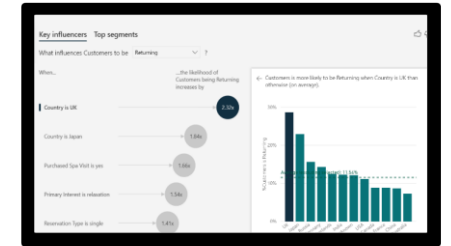
Extend with Azure ML



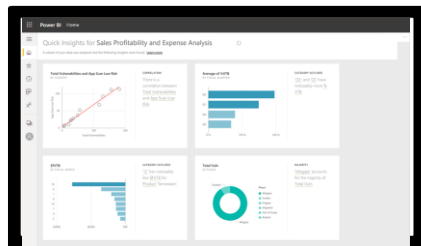
R Integration

Sentiment Score	Title
0.75	Great room. Loved the pool and view.
1.00	disappointing
0.79	will be returning to Grand Kaihua again!
0.94	Nice Condo, excellent location in Kona, HI
0.03	Outdated, dirty unit in good location.
0.06	Filthiest place I have ever stayed
0.94	condition of room—VERY DISAPPOINTING !!!
0.71	Nice hotel that is walking distance to everything
0.99	Reasonable beach condo - well located
0.88	Great Location for ocean sunset views
0.97	Nice hotel on the beach
0.78	best location in kailua kona.

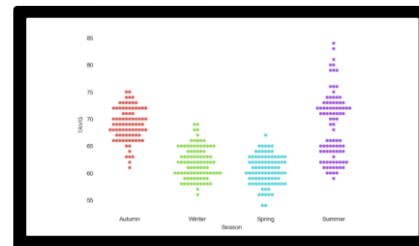
Sentiment Analysis



AI Visualizations



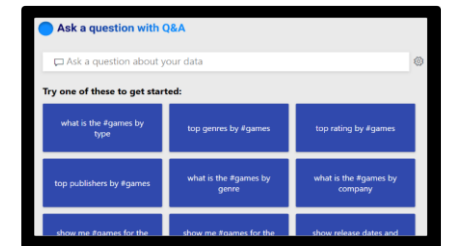
Quick Insight



Python Integration



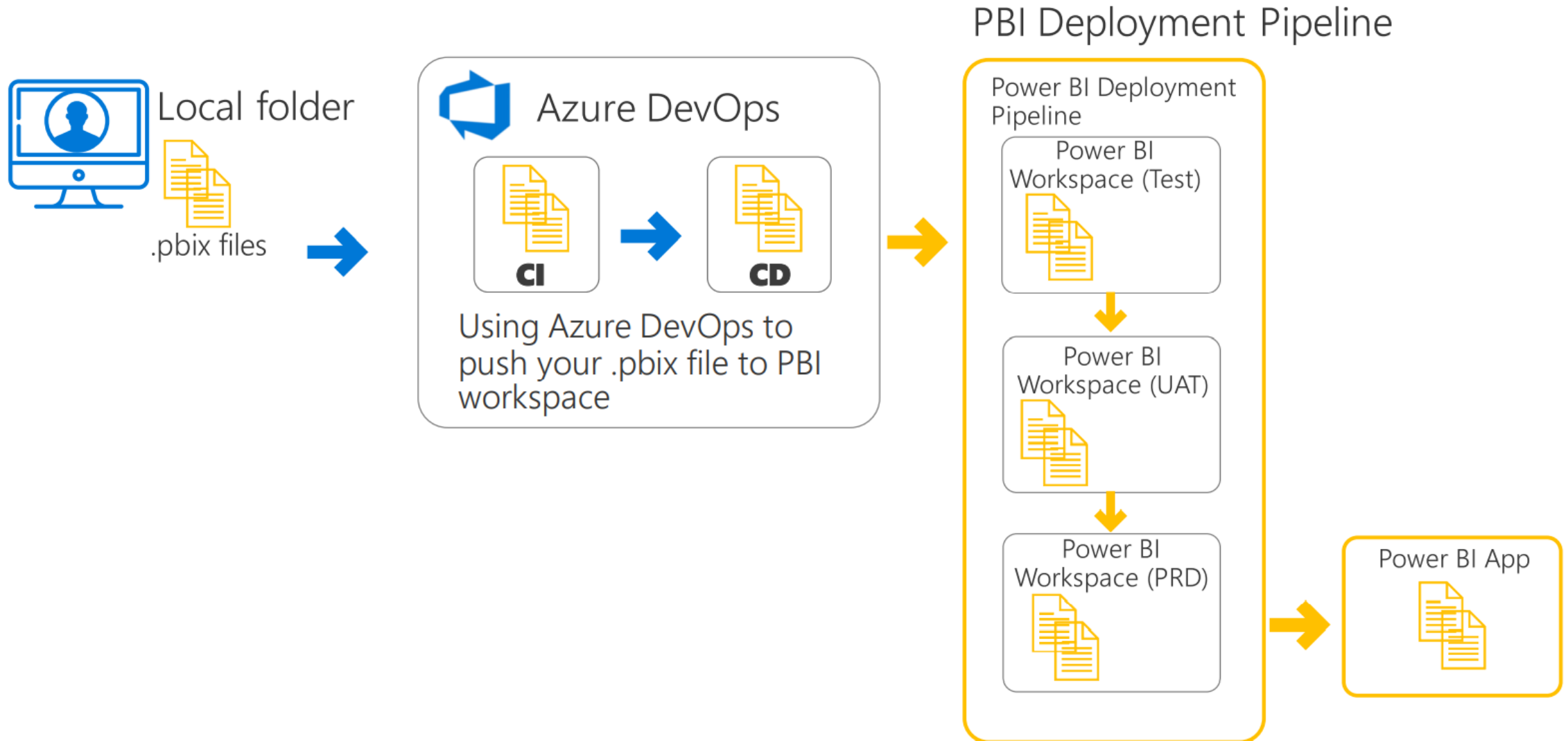
Key Phrase Extraction



Natural Language



Power BI CI/CD





DEMO



Call to Action

- GitHub repo
 - https://github.com/ganandah/Power-BI/tree/master/PowerBI_CICD
- Microsoft Learn
 - Data Analyst: <https://docs.microsoft.com/learn/roles/data-analyst>
- Indonesia Belajar Microsoft Cloud
 - <https://belajarmscloud.com>



Thank you