

*Microsoft Cognitive Services*

# Bacon Numbers: Detecting Kevin Bacon's Age with the Azure Face API

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ORIGINAL  
PLAN

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**~5 MINUTES**

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Bacon Numbers:  
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...and a whole  
bunch more



# Paige Bailey

*Sr. Cloud Developer Advocate*

## Work Experience

- Focus at Microsoft is *machine learning* and *artificial intelligence*.
- Prior to joining Microsoft, was a *data scientist* and *geophysical application developer* in the energy industry for 5 years.
- *GIS Technician* (Esri products) for two years.

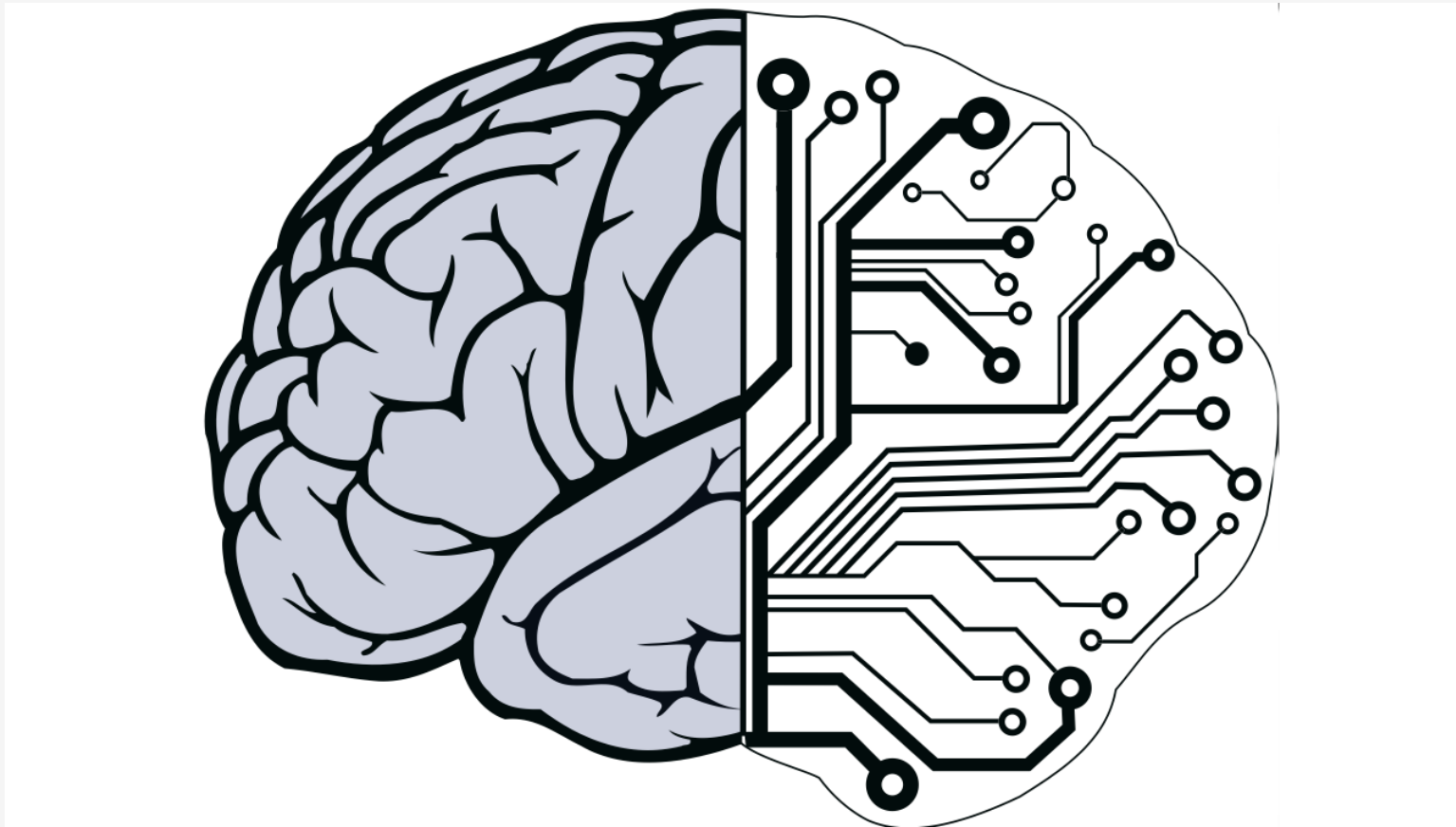
## Toolkit

- Python (*10 years*)
- R (*4 years*)
- Spark, Kafka, Hive, HBase (*2 years*)

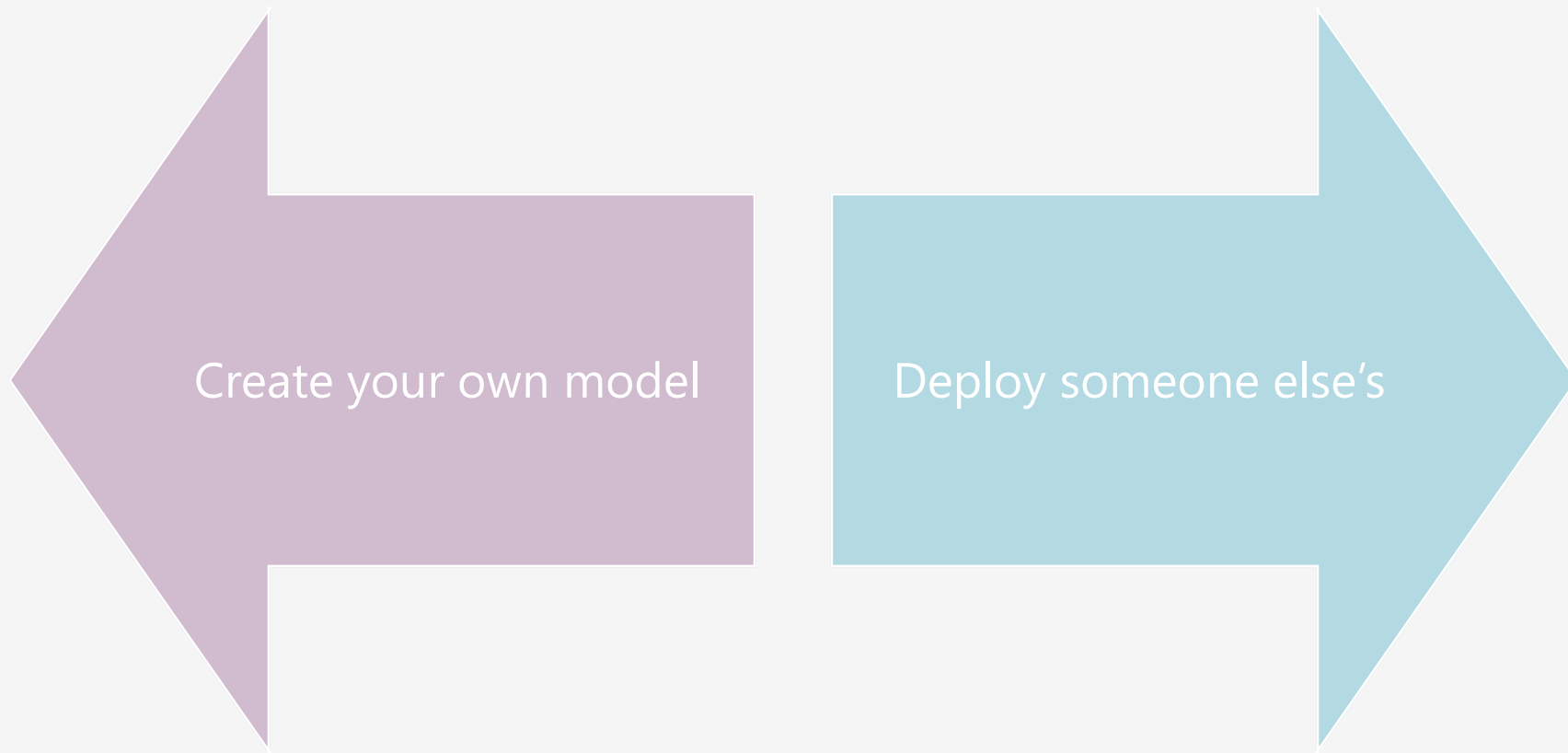
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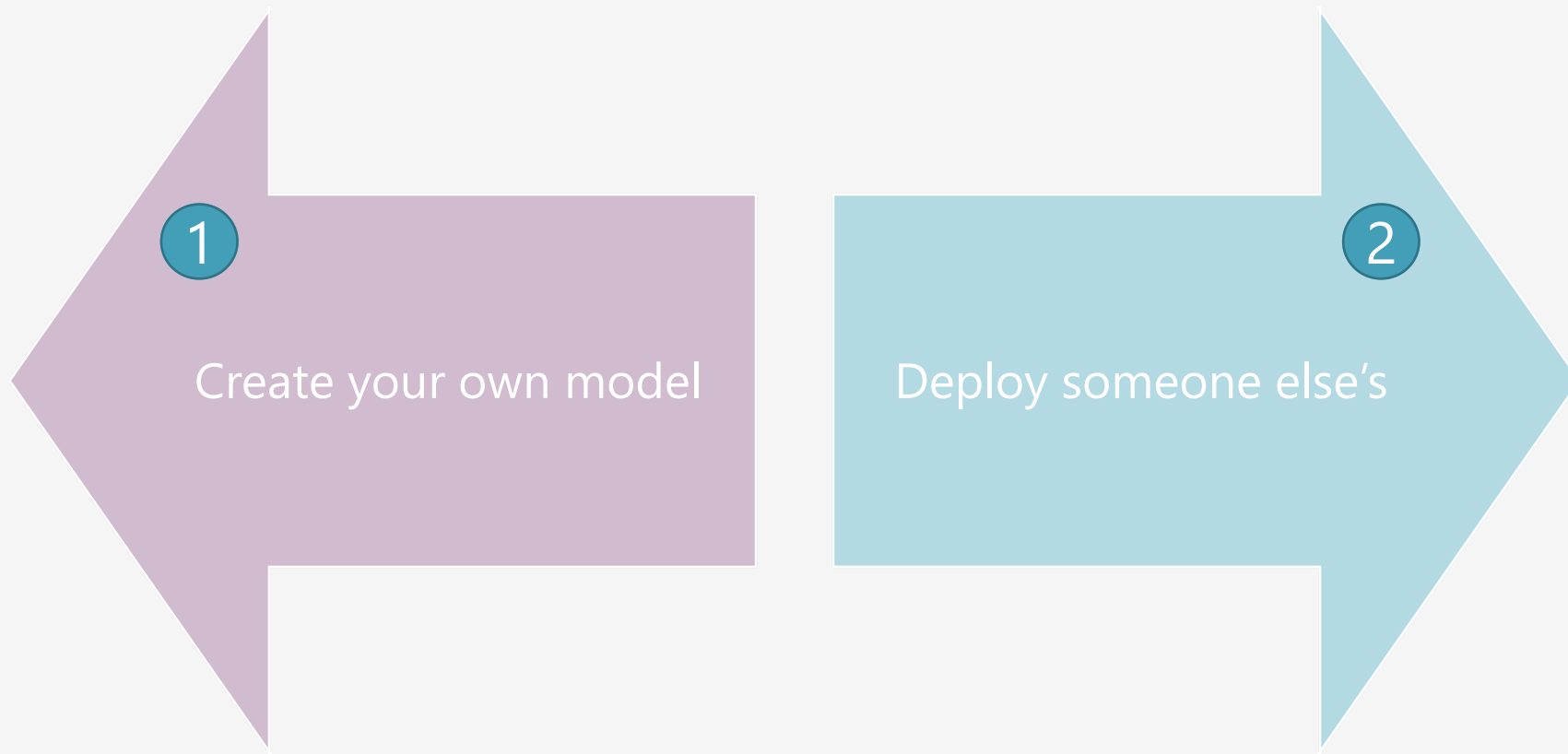
**Twitter:** *@DynamicWebPaige*











# Creating Your Own Model

*Creating a Machine Learning Model*

# Data Science Virtual Machines

## Azure Machine Learning Workbench

## Azure Notebooks

*Creating a Machine Learning Model*

# Data Science Virtual Machines

## Azure Machine Learning Workbench

## Azure Notebooks



*Data Science Virtual Machines*

[https://aka.ms/](https://aka.ms/DSVMs)  
**DSVMs**

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Experience Level: *Intermediate* -- // -- *Developers, Data Analysts*

*Data Science Virtual Machines*

<https://aka.ms/>

AMLWorkbench

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Experience Level: *Intermediate* -- // -- *Developers, Data Analysts*

*Azure Notebooks*

<https://aka.ms/>

# AzureNotebooks

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Experience Level: *Advanced* -- // -- *Data Scientists, Data Analysts*



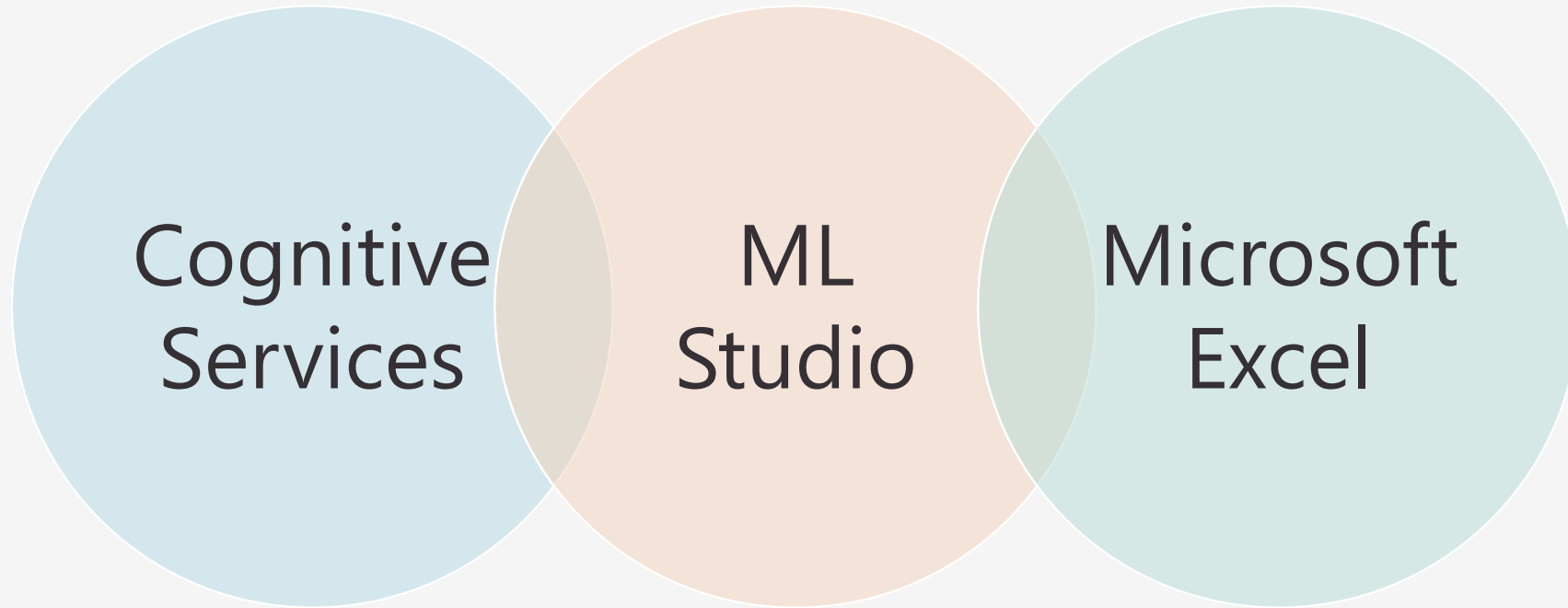
# Deploying Someone Else's

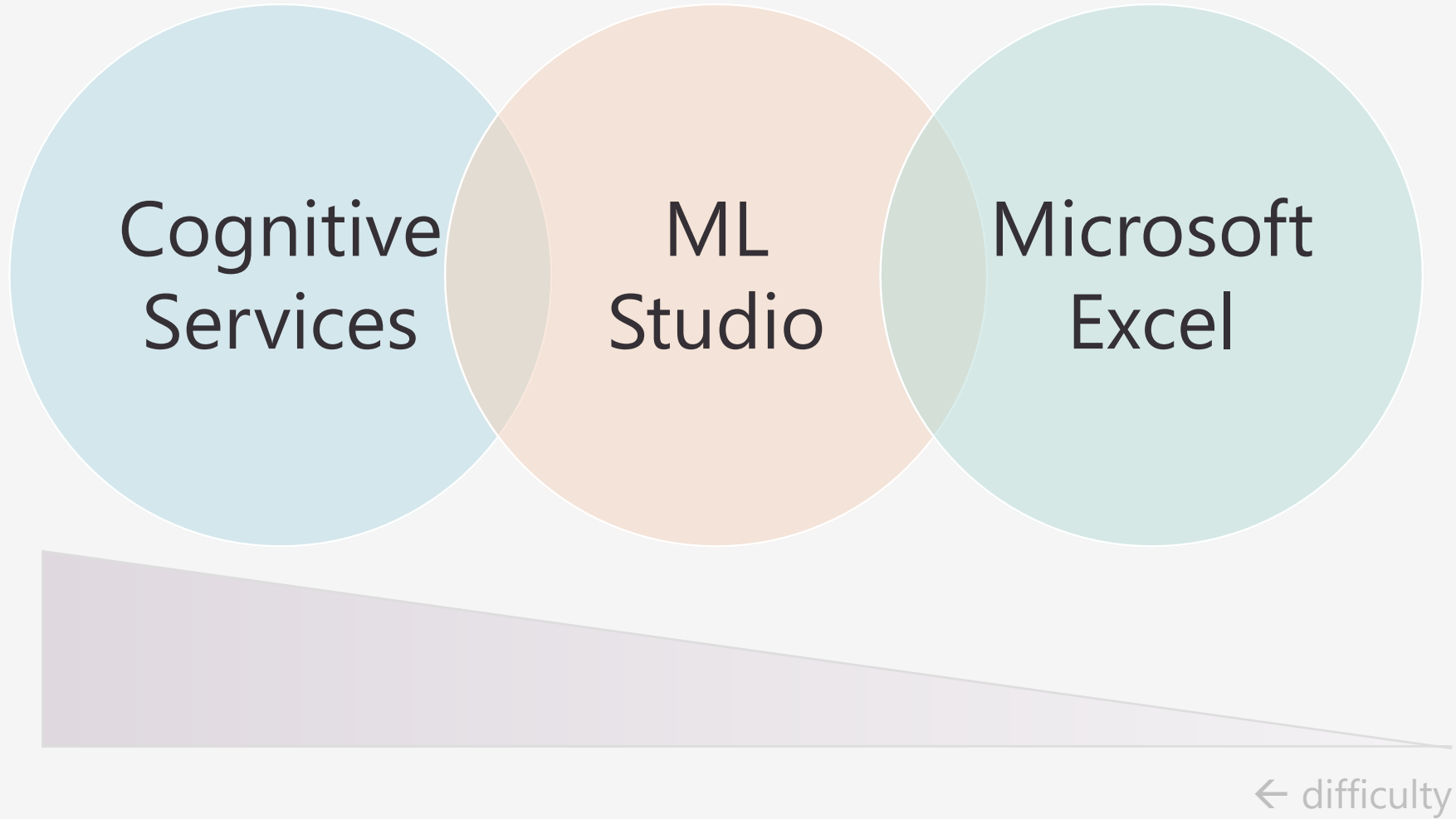
*Deploying Machine Learning Models on Azure*

# Microsoft Excel

## Azure Machine Learning Studio

### Cognitive Services





*Azure Notebooks*

<https://aka.ms/>

CognitiveServices

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Experience Level: *Intermediate* -- // -- *Developers, Data Analysts*

*Azure ML Studio*

<https://aka.ms/>

AzureMLStudio

*Microsoft Excel*

[https://aka.ms/](https://aka.ms/ExcelML)  
ExcelML

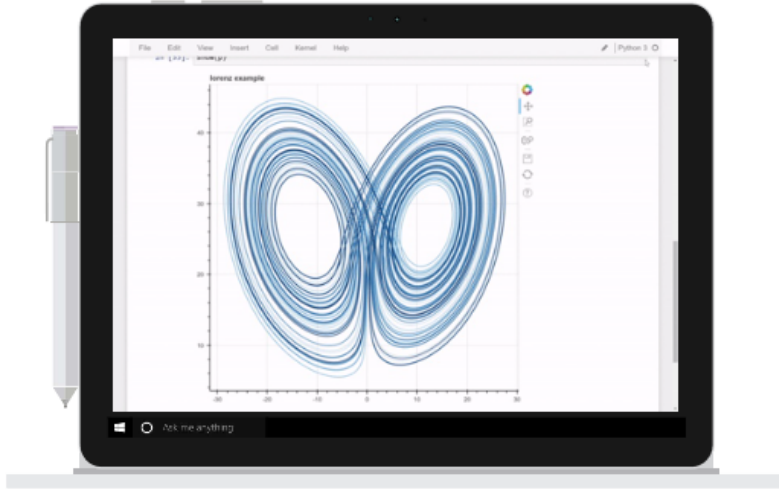
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Experience Level: *Beginner* -- // -- *Business Intelligence Analysts, ML Enthusiasts*

*Cognitive Services Case Study:*

# Kevin Bacon Numbers





## Sharing Your Ideas Made Easy

With Azure Notebooks, unleash your ideas in the cloud with the [Jupyter Notebook](#)

[Get Started](#)[Featured Libraries](#)

For Data Science  
and Analysis



For Teaching  
and Learning



For Research  
and Development

# Getting Started

- [Azure Notebooks](#)
- [CodeCamp NYC 2017 Library](#)
- [CodeCamp NYC 2017 Presentation](#)

## AI on Azure

- [Azure ML Studio](#)
- [Cortana Intelligence Gallery](#)
- [Data Science Virtual Machines](#)
- [Microsoft Docs](#)

Thank you!