



# 2018

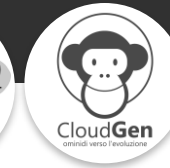
---

## Global Azure BOOTCAMP VERONA



24/CO

**Platinum Sponsor**



**Gold Sponsor**



**Basic Sponsor**

# Tweet della giornata



#GlobalAzure

@clouddgen\_verona



2018  
Global Azure  
BOOTCAMP

ARGOMENTO

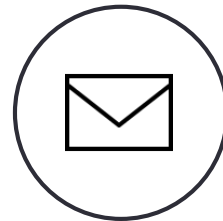
# Introduzione al machine learning con Azure

---

## Senior data scientist **méthode**



MATTEO DI PIERRO



matteo.dipierro@methode.it



/matteodp



# Azure Machine Learning Studio

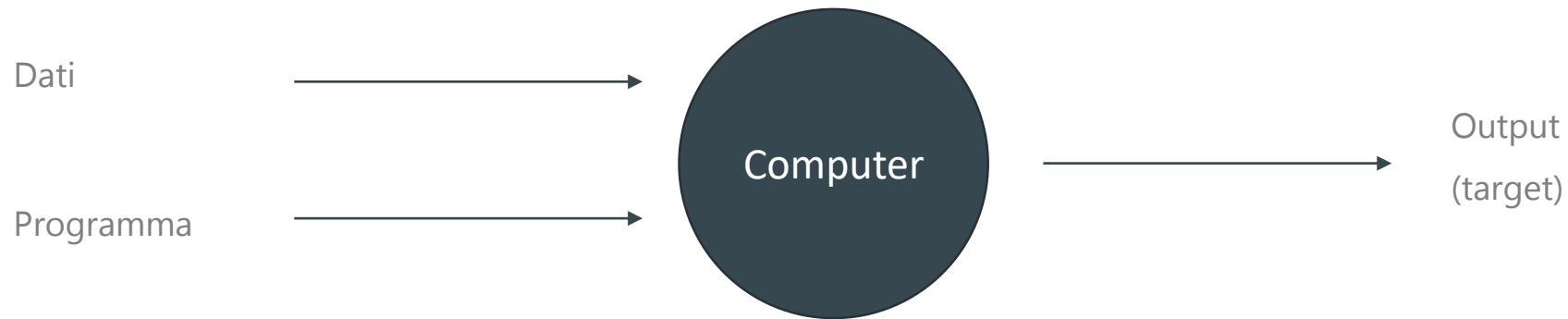


GUI-based integrated development environment  
for constructing and operationalizing Machine  
Learning workflow on Azure

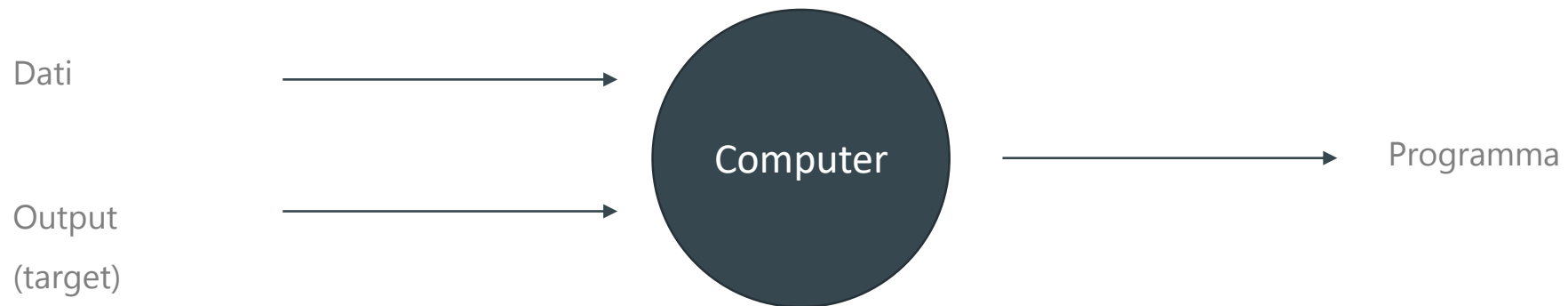
Piattaforma cloud pubblica di Microsoft, che offre servizi di cloud computing



## Applicazioni tradizionali



## Applicazioni intelligenti





**Entità**



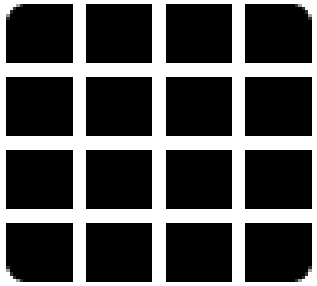
**Feature 1**

**Feature 2**

**Feature 3**

**...**

**Feature N**



Osservazioni

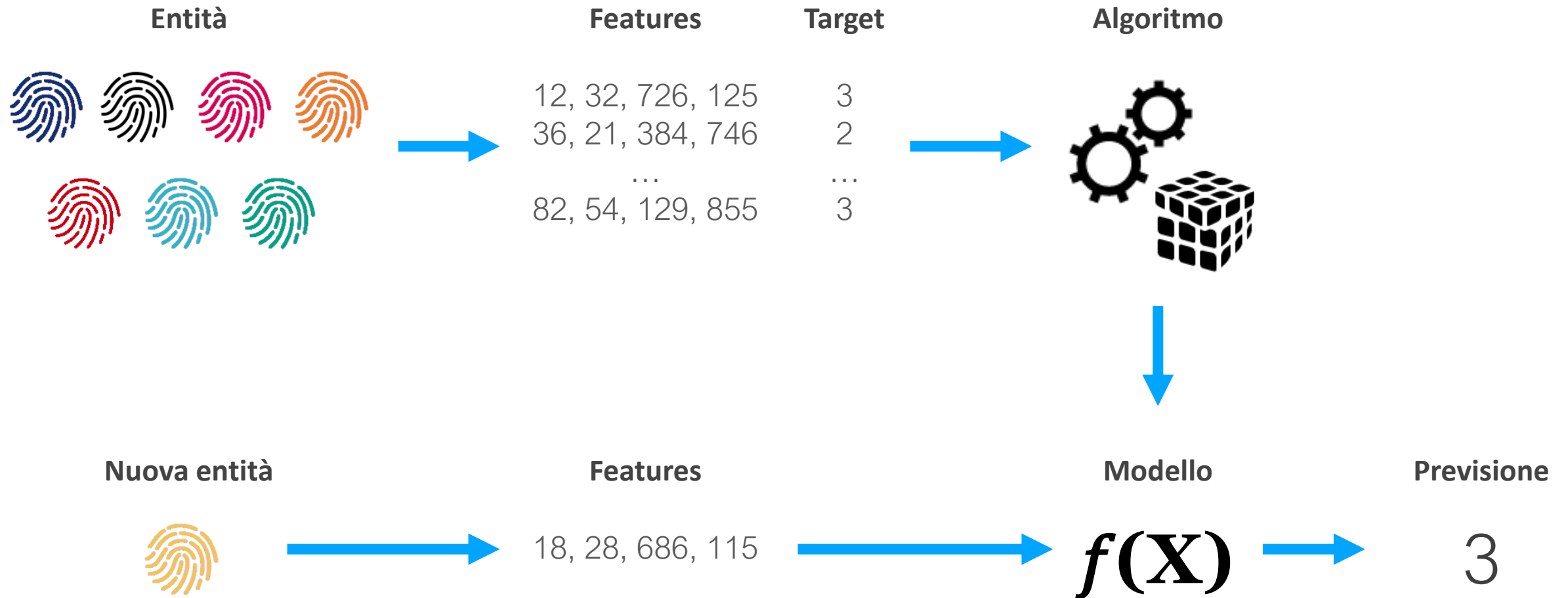


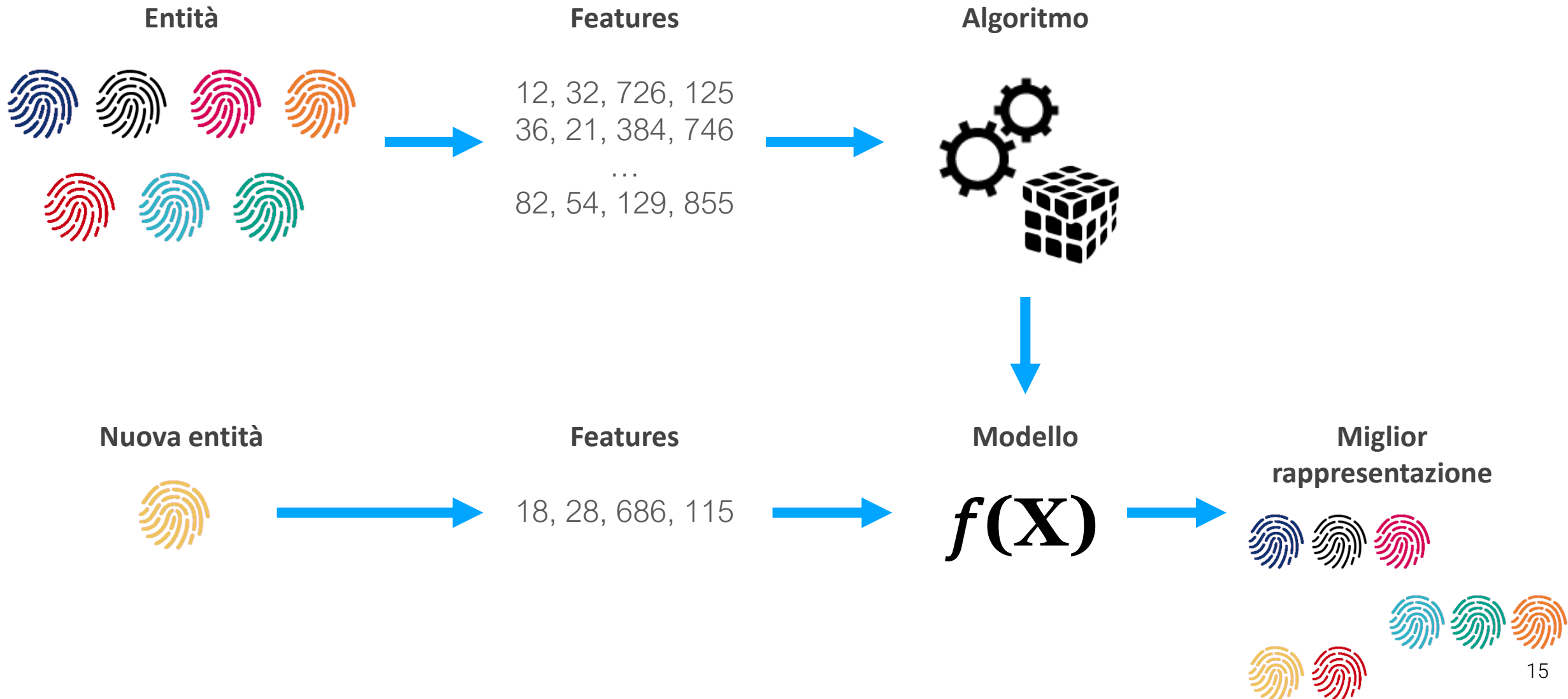
Algoritmo



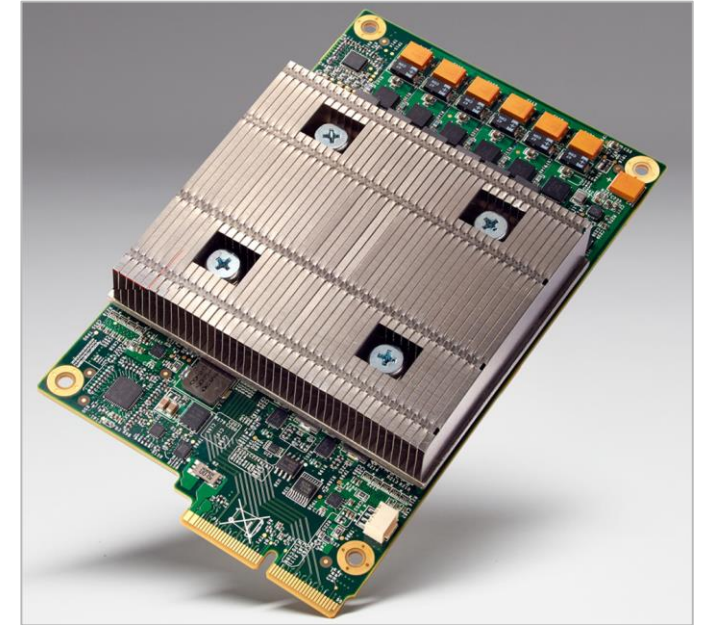
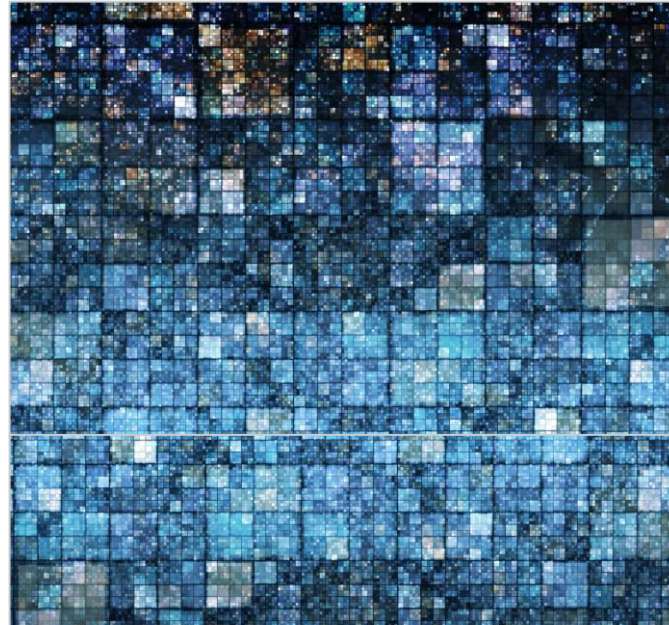
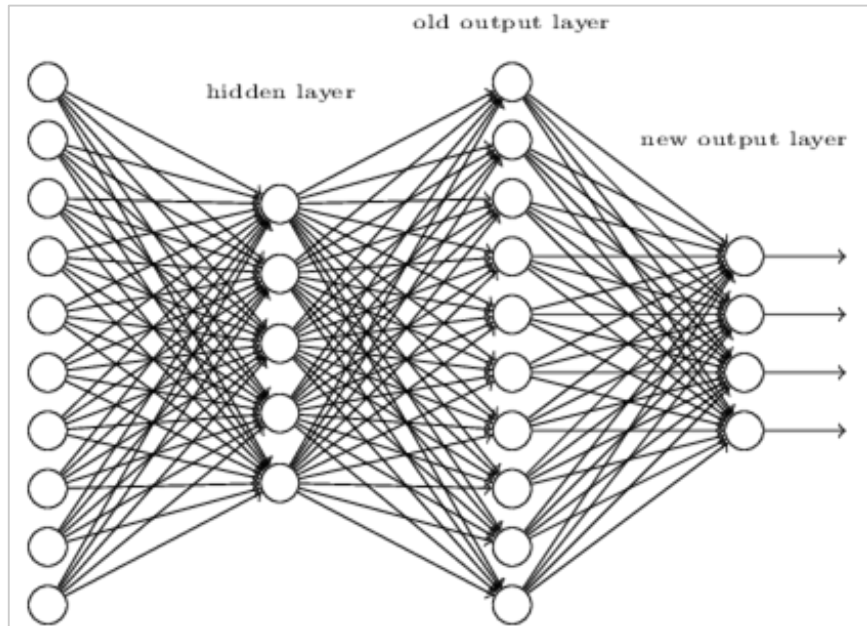
$f(\mathbf{X})$

Modello





# Machine learning: why now?



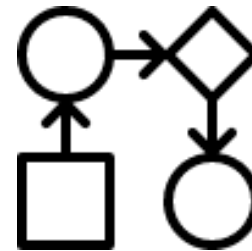




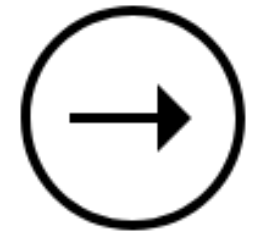
Quesito  
analitico



Analisi dati



Modellazione



Data product



Azure Machine  
Learning Studio

*Web services only*

## Gartner Magic Quadrant for Data Science and Machine-Learning Platforms



# Azure Machine Learning Studio



☰

Microsoft Azure Machine Learning Studio

matteo.dipierro-Free-Wor... ?

💬 👤 😊 👤

📁

PROJECTS

🧪

EXPERIMENTS

🌐

WEB SERVICES

📖

NOTEBOOKS

🗃️

DATASETS

📦

TRAINED MODELS

⚙️

SETTINGS

projects preview

NAME	AUTHOR	CONTENTS	LAST USED	⌵	🔍
Create project ➡					

+

NEW

🗑️

DELETE



## EXPERIMENTS

Pipeline di dati, trasformazioni dati, analisi e modelli



## WEB SERVICES

Lista dei servizi creati per distribuire il risultato di analisi / modelli



## NOTEBOOKS

Collezione di documenti markdown che permettono analisi interattive integrando testo e codice



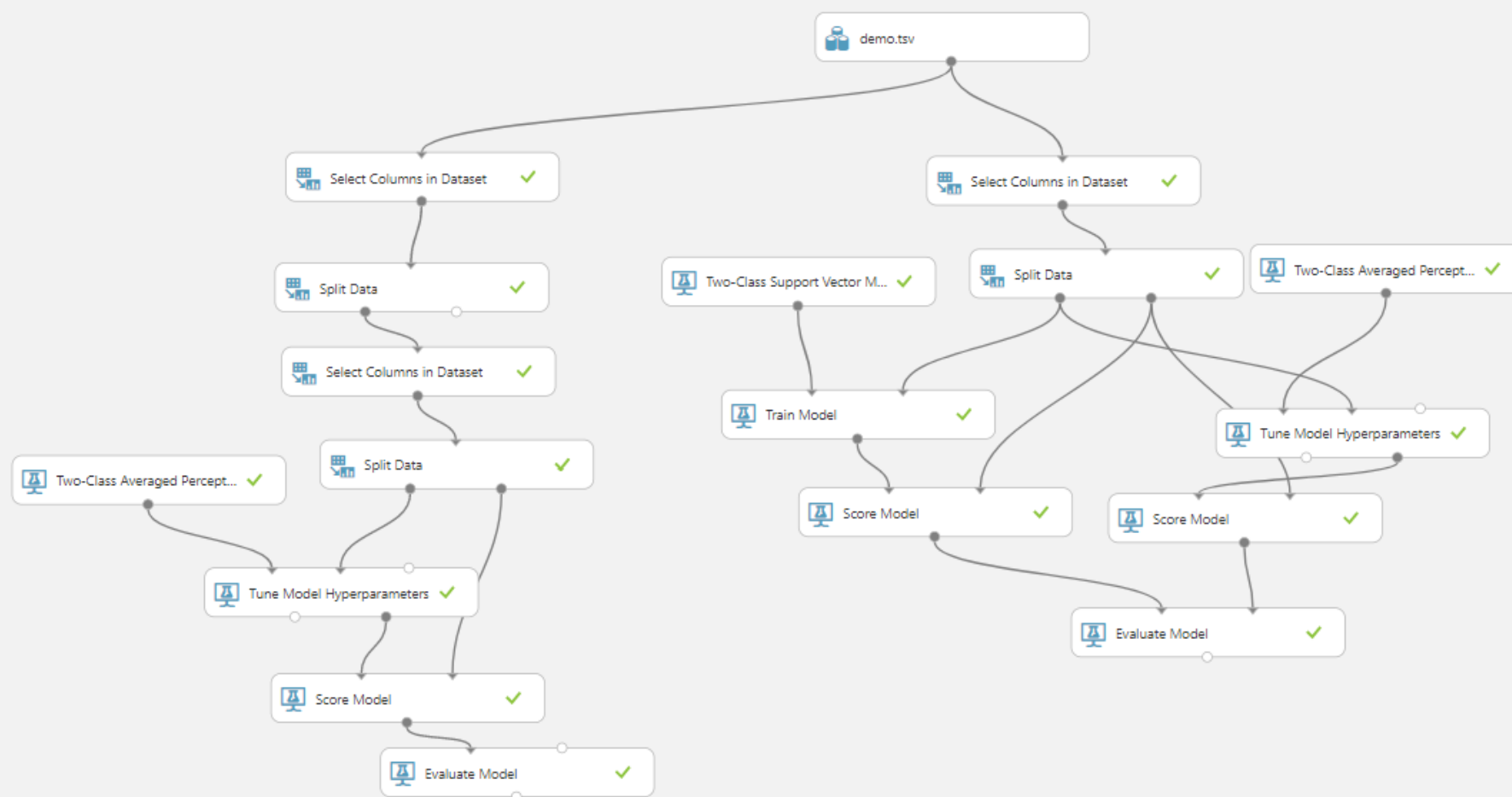
## DATASETS

Fonti dati importate e disponibili per essere usate negli experiments (csv, excel, tabelle Azure, Hive, SQL, Rdata, zip)

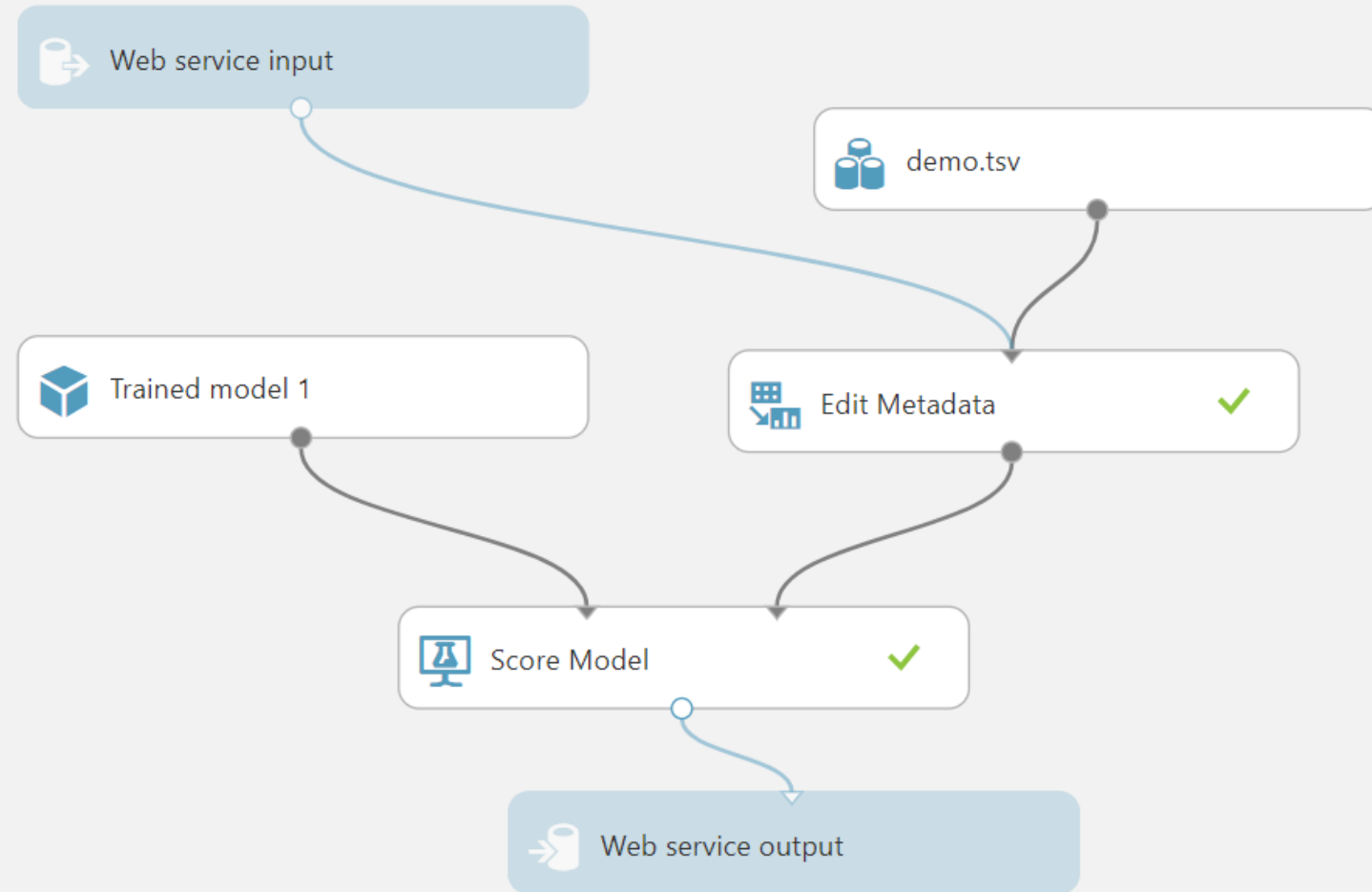


# Demo

## Full Experiment GAB



## Deploy GAB





“

**Nella vita nulla è certo, tranne la morte e le tasse.**

Benjamin Franklin



# Grazie

Domande?



matteo.dipierro@methode.it



/matteodp