

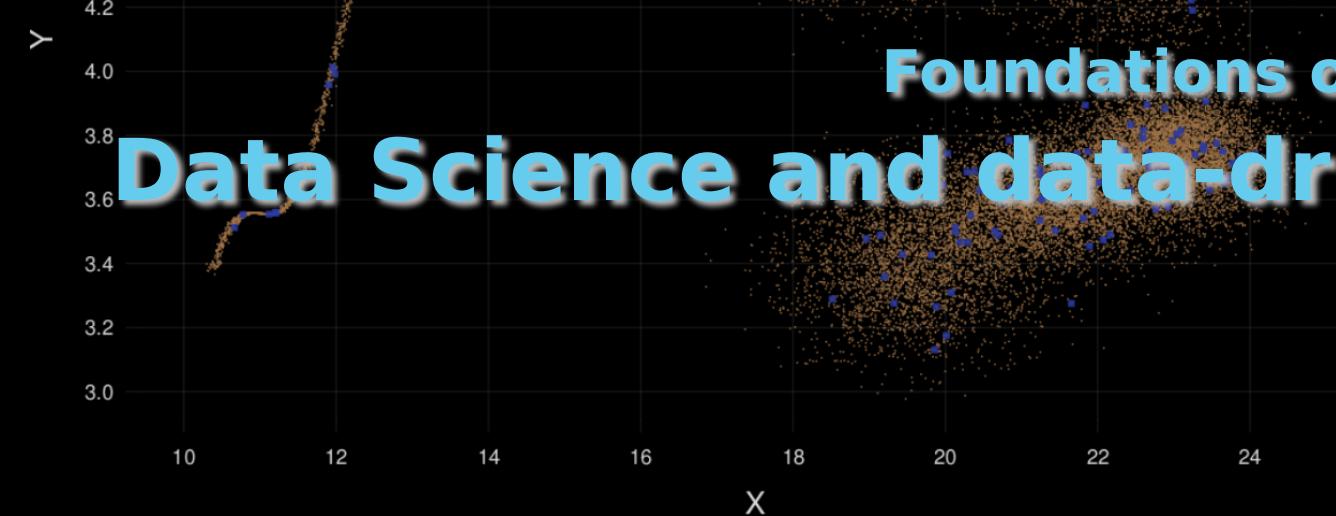
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state

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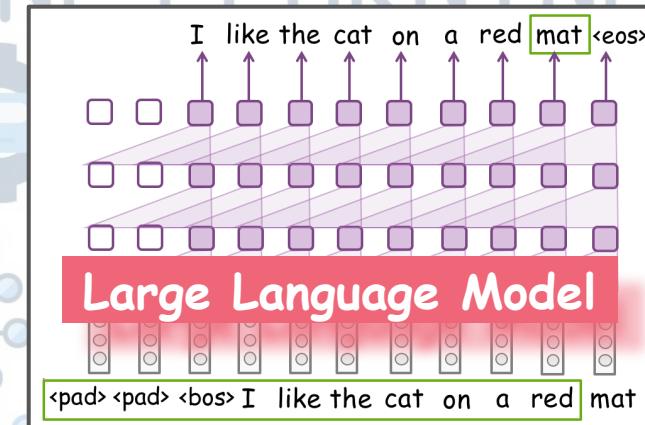
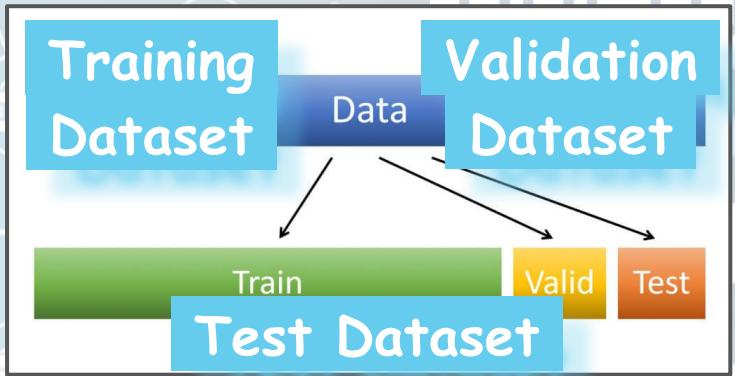
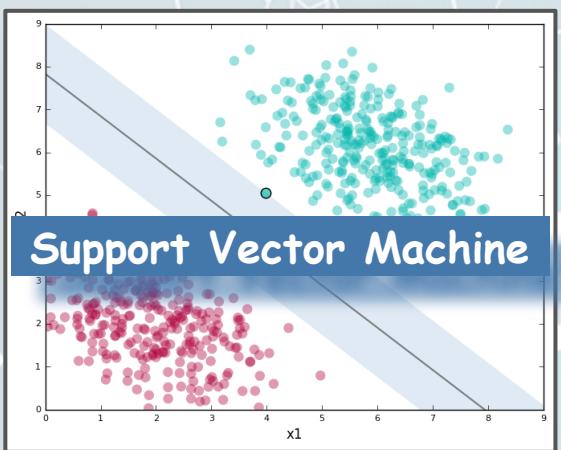
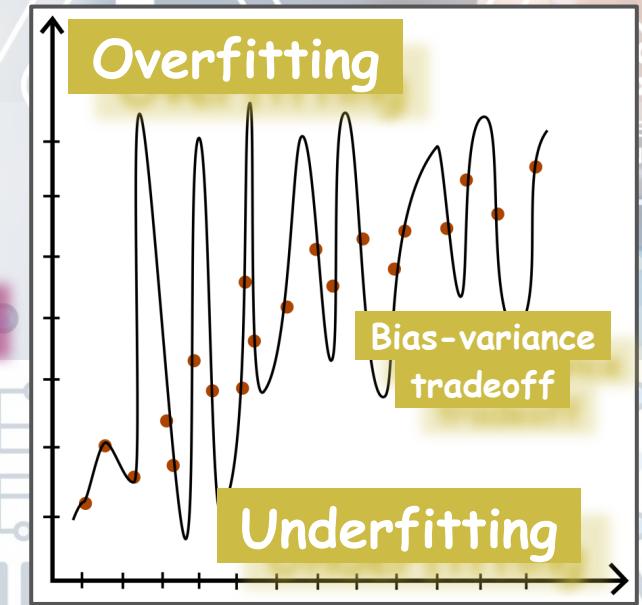
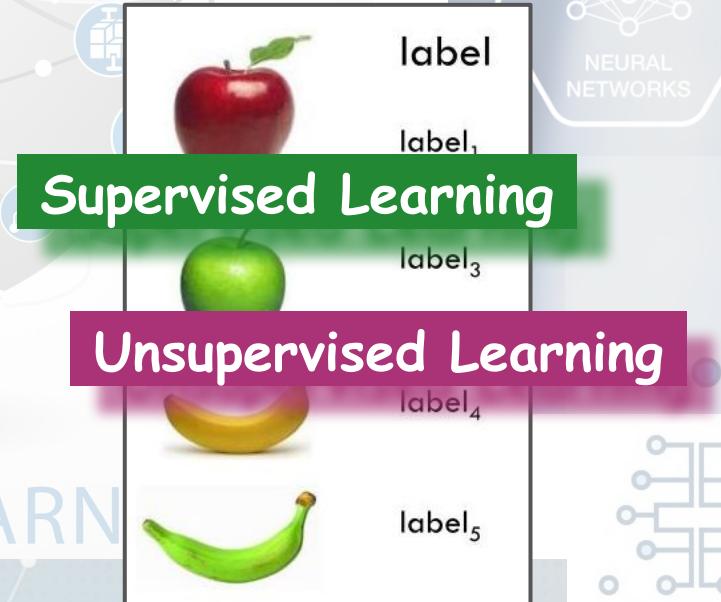
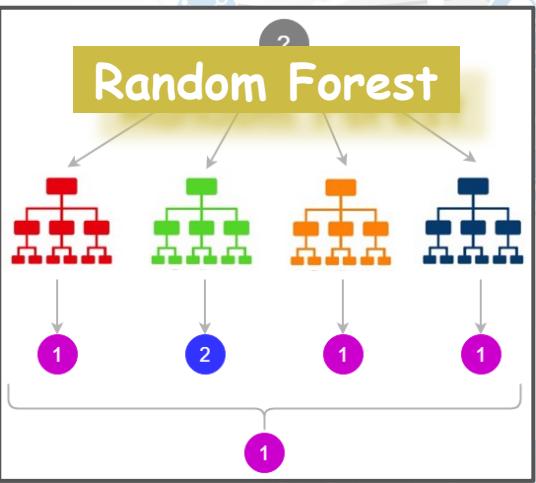
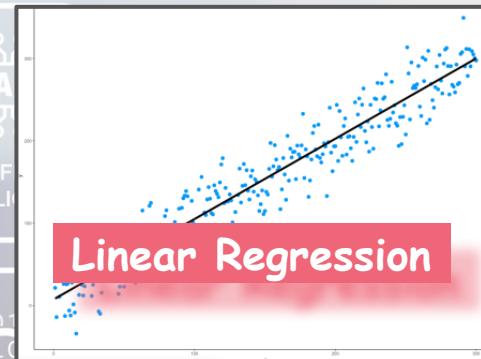
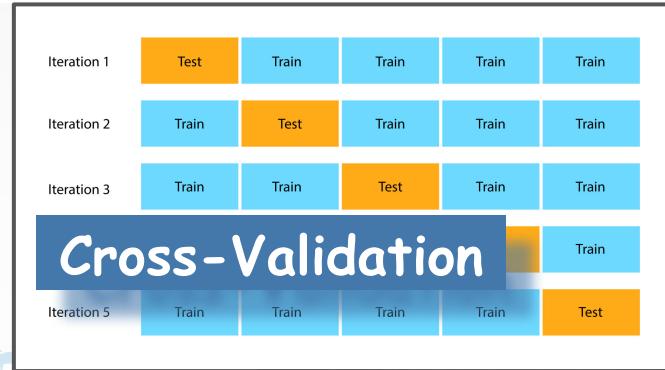
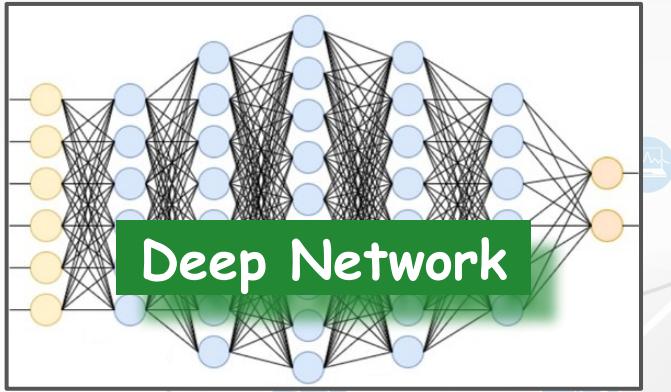


Foundations of

Data Science and data-driven engineering

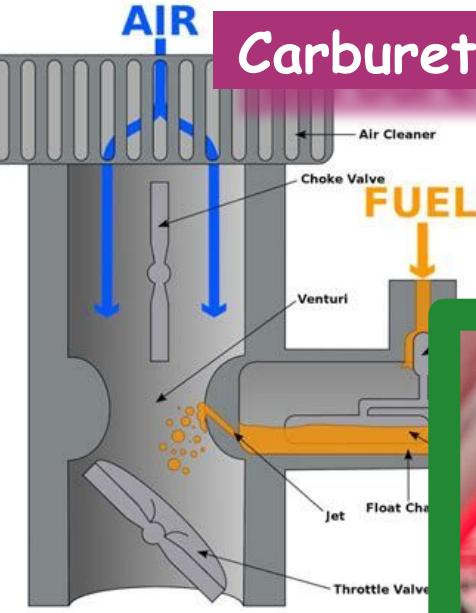
$P(Y|X)$





AIR

Carburettor

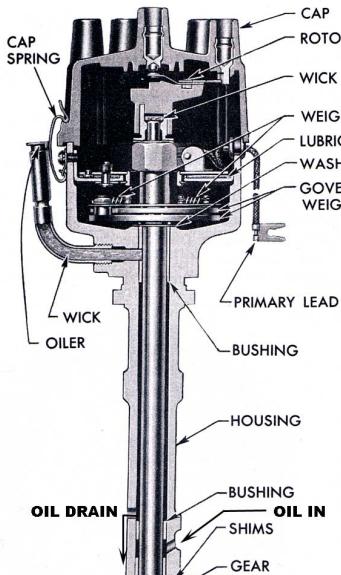


Fuel



Octanes

car mechanic



Distributor



Spark plug

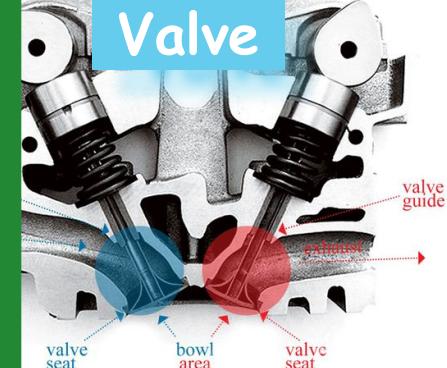
Engine oil



Silencer (muffler)



Green emissions



 cartwright



 car mechanic



 EV mechanic

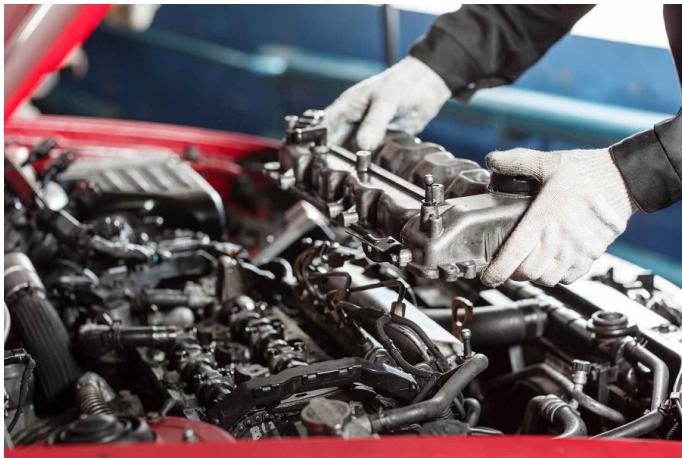


automotive engineer



?

car mechanic



🔍 *specific*

🔨 *practical*

☰ *procedural*

⚓ *technology-dependent*

...

automotive engineer



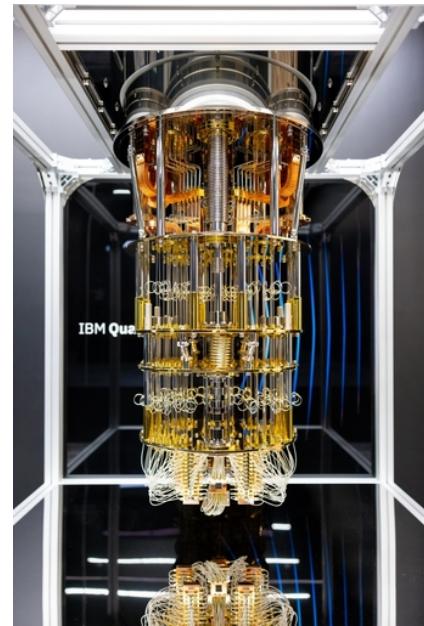
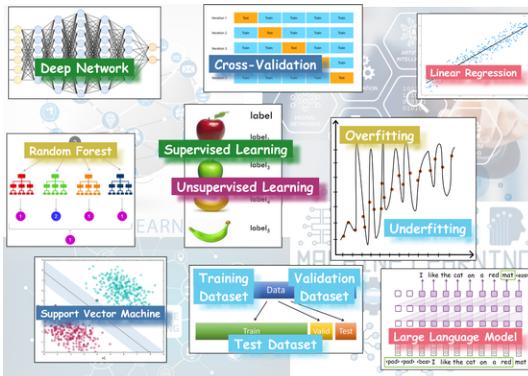
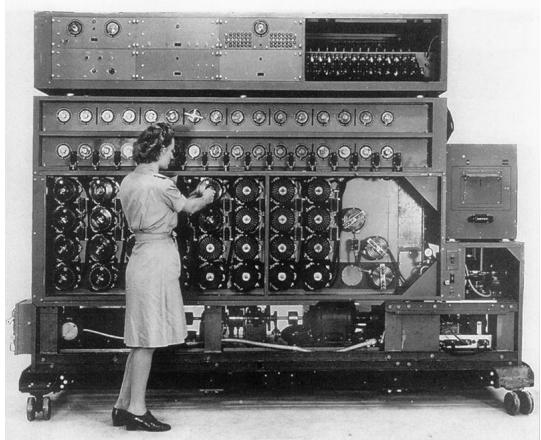
💡 *general*

Ἁ *principled*

🧭 *exploratory*

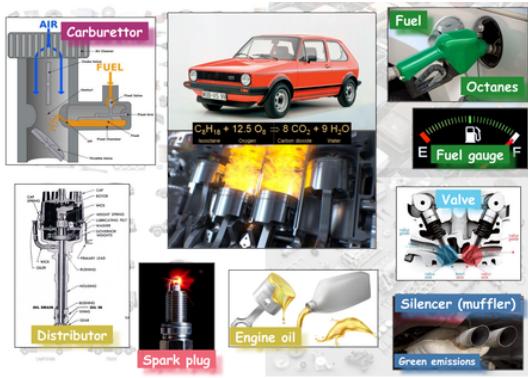
🐦 *technology-independent*

...



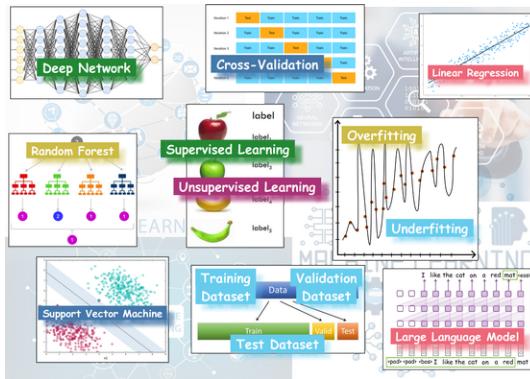
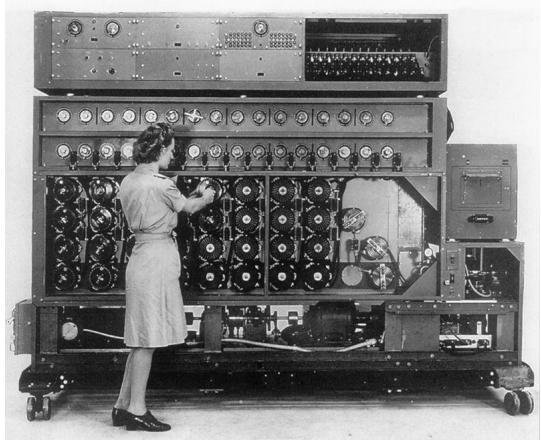
🔧 “data mechanic”

cartwright



🔌 EV mechanic





“data mechanic”

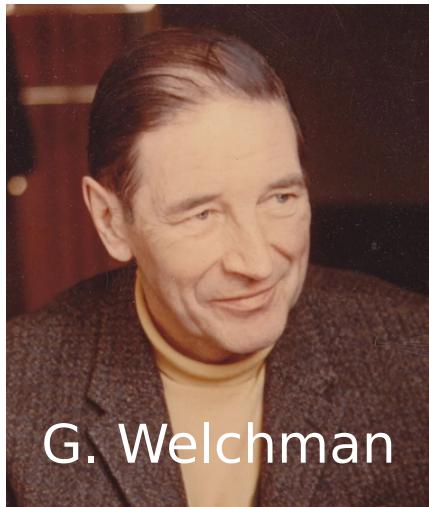


“data engineer”

[insert picture of you all here?]



Alan Turing



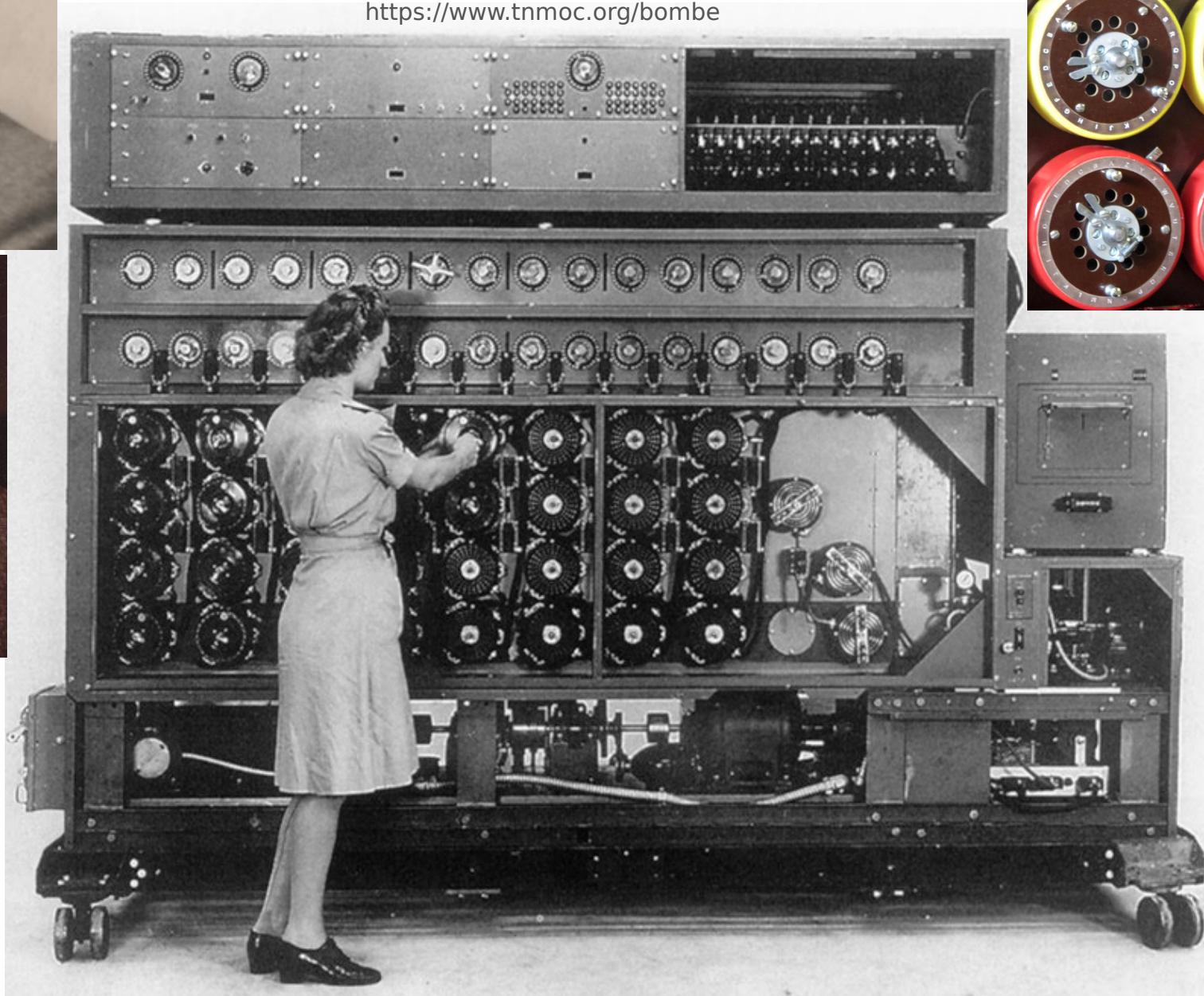
G. Welchman

The Bombe a.k.a. *Agnes* electromechanical computer

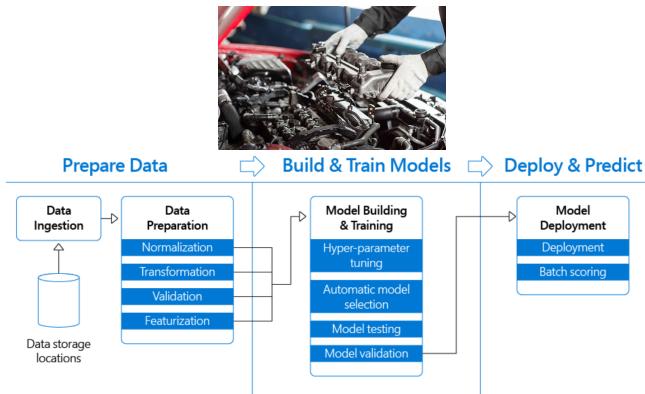
Decoded encrypted Nazi communications during World War II
(efficiency rate: 98.8%)

<https://www.britannica.com/topic/Bombe>

<https://www.tnmoc.org/bombe>



“data mechanic”



🔍 *specific*

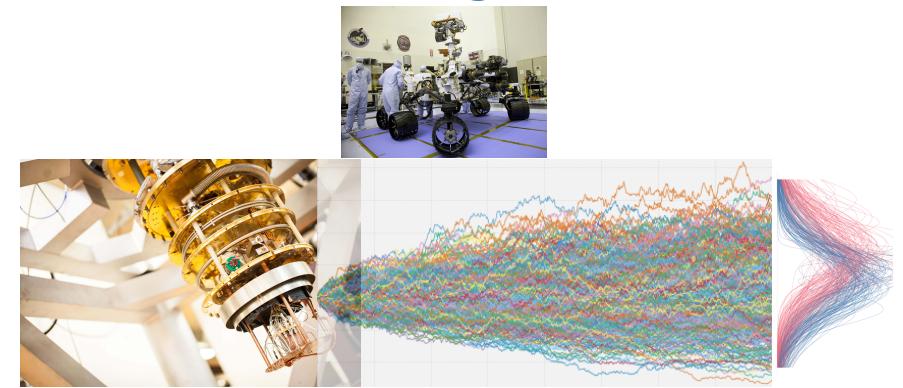
🔧 *practical*

☰ *procedural*

⚓ *technology-dependent*

...

data engineer



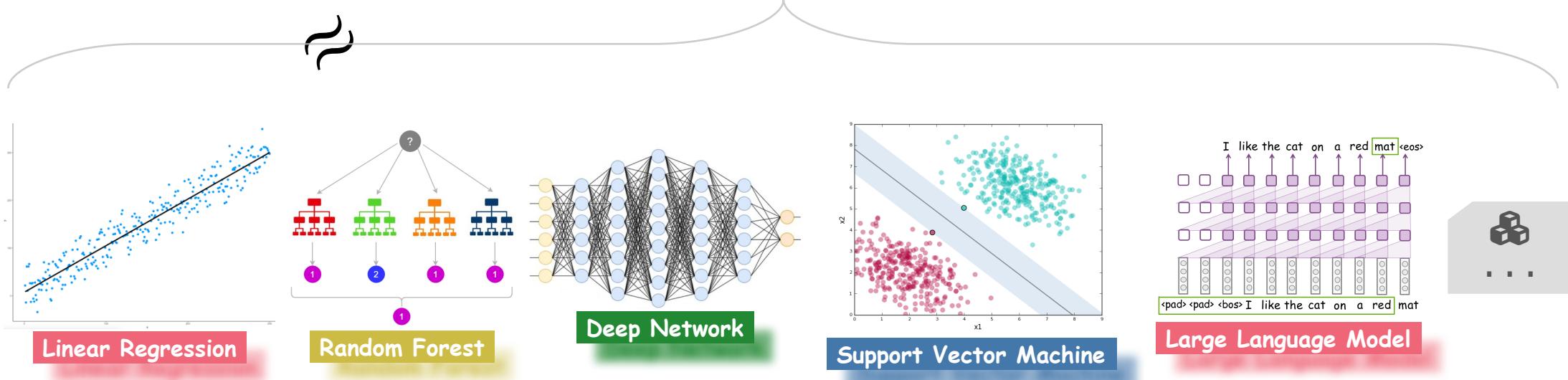
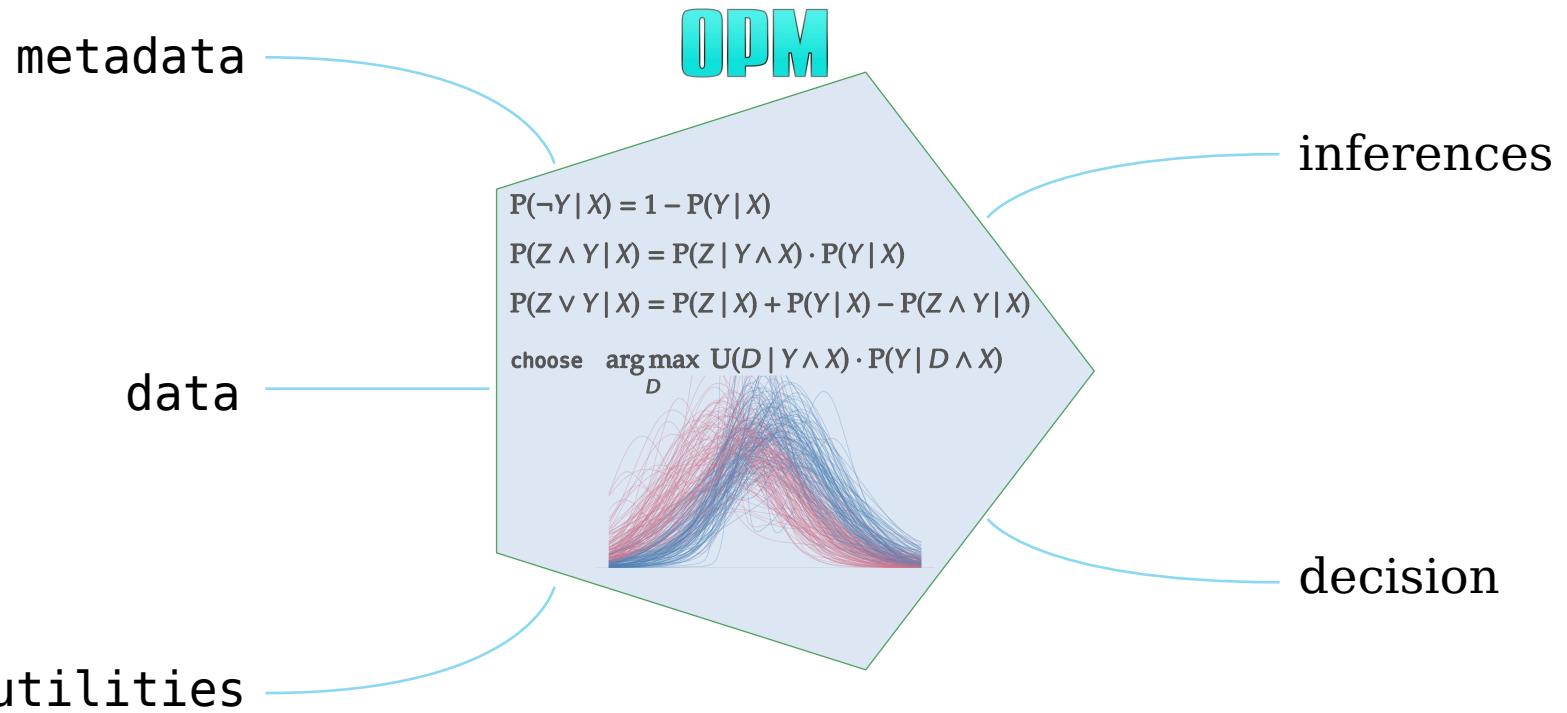
👀 *general*

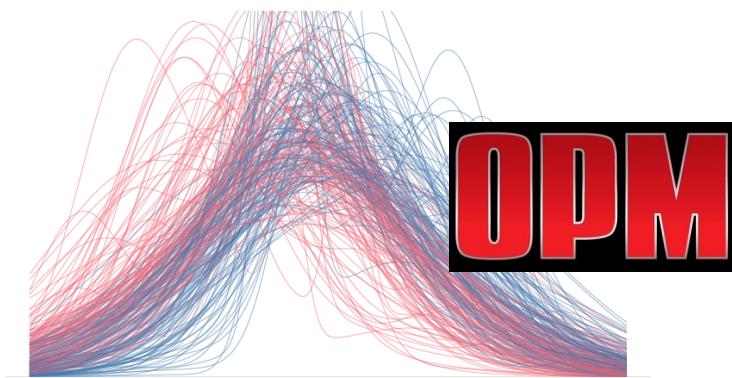
📐 *principled*

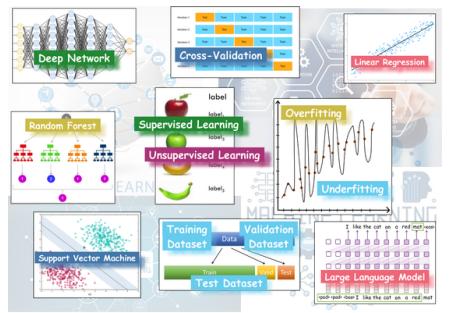
🧭 *exploratory*

🐦 *technology-independent*

...



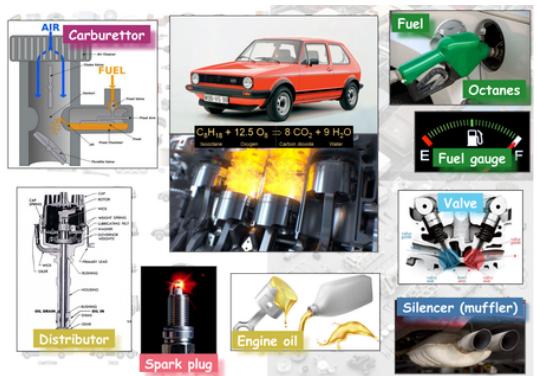




cartwright



car mechanic



EV mechanic



100