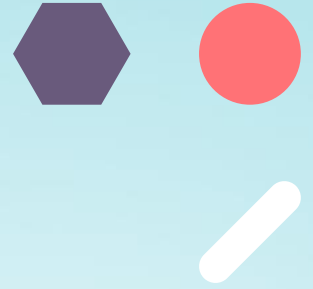




Azure ML

Data & Automation Line Up 2024



Ties de Bont

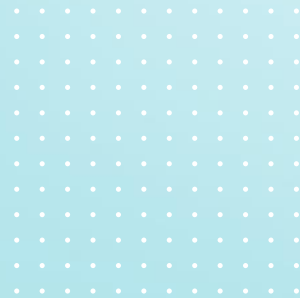
- Teamlead data science
- Data analytics consultant
- Projects in:
 - Data Science
 - Data visualization
 - Data engineering
- Hobbies:
 - Music
 - Field hockey





Before we dive in

Some questions to you



What is data science?

“Extracting knowledge and insights from raw (structured) data, (often) to enhance decision making.”

What is data science?

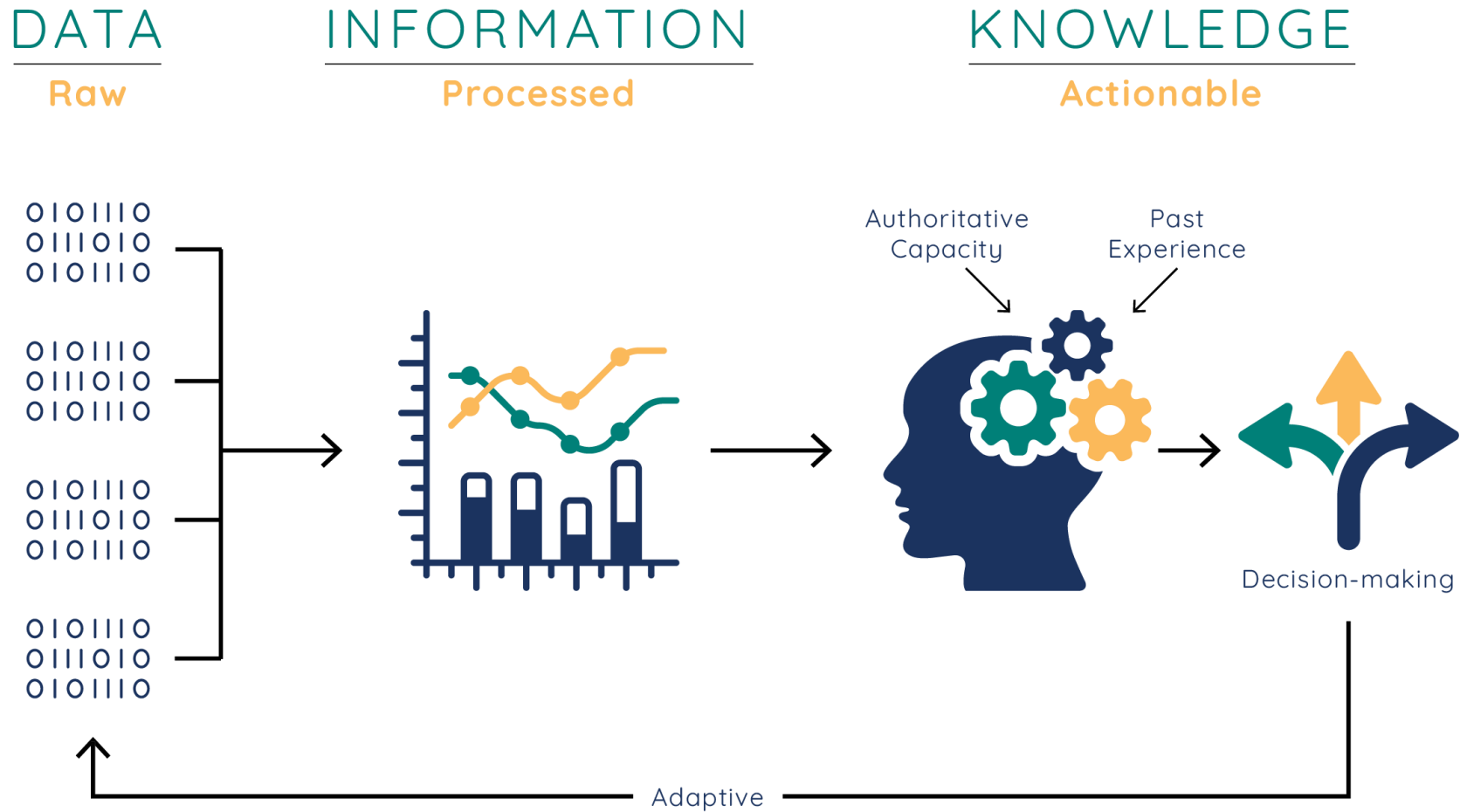
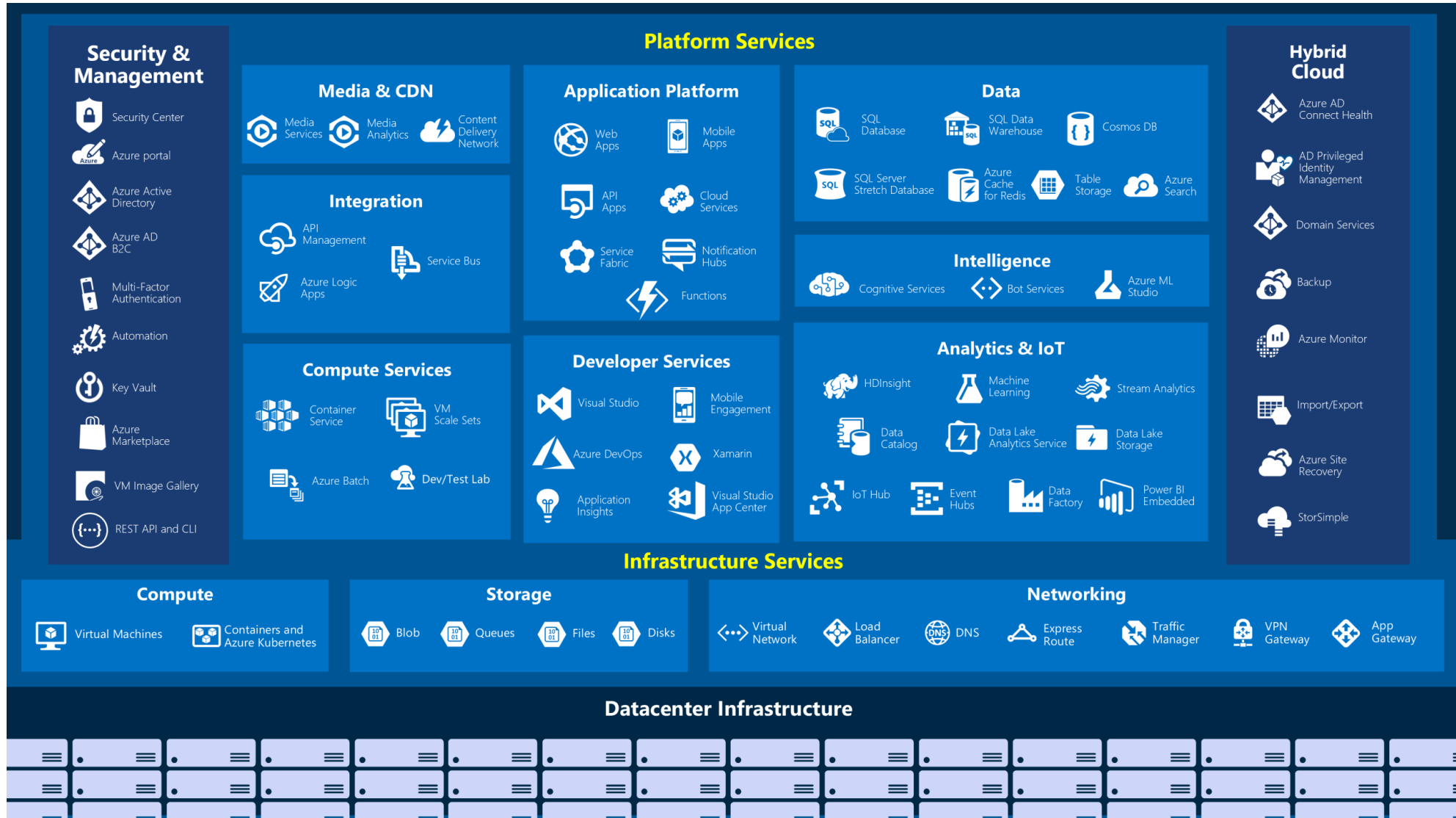


Figure 1 Source: www.internetofwater.org/valuing-data/what-are-data-information-and-knowledge/

Azure stack



Azure ML

Microsoft's ML-as-a-Service:

- Scalable all-in-one machine learning solution
 - Experimenting
 - Deployment
 - Monitoring
- Accessible for both the citizen and the expert data scientist
- Well integrated in the Azure stack
- Capabilities for fair and explainable AI



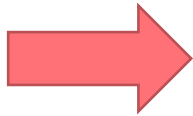
Today's demo

- Brief showcase of the tool
- Focus on Azure ML for the citizen data scientist



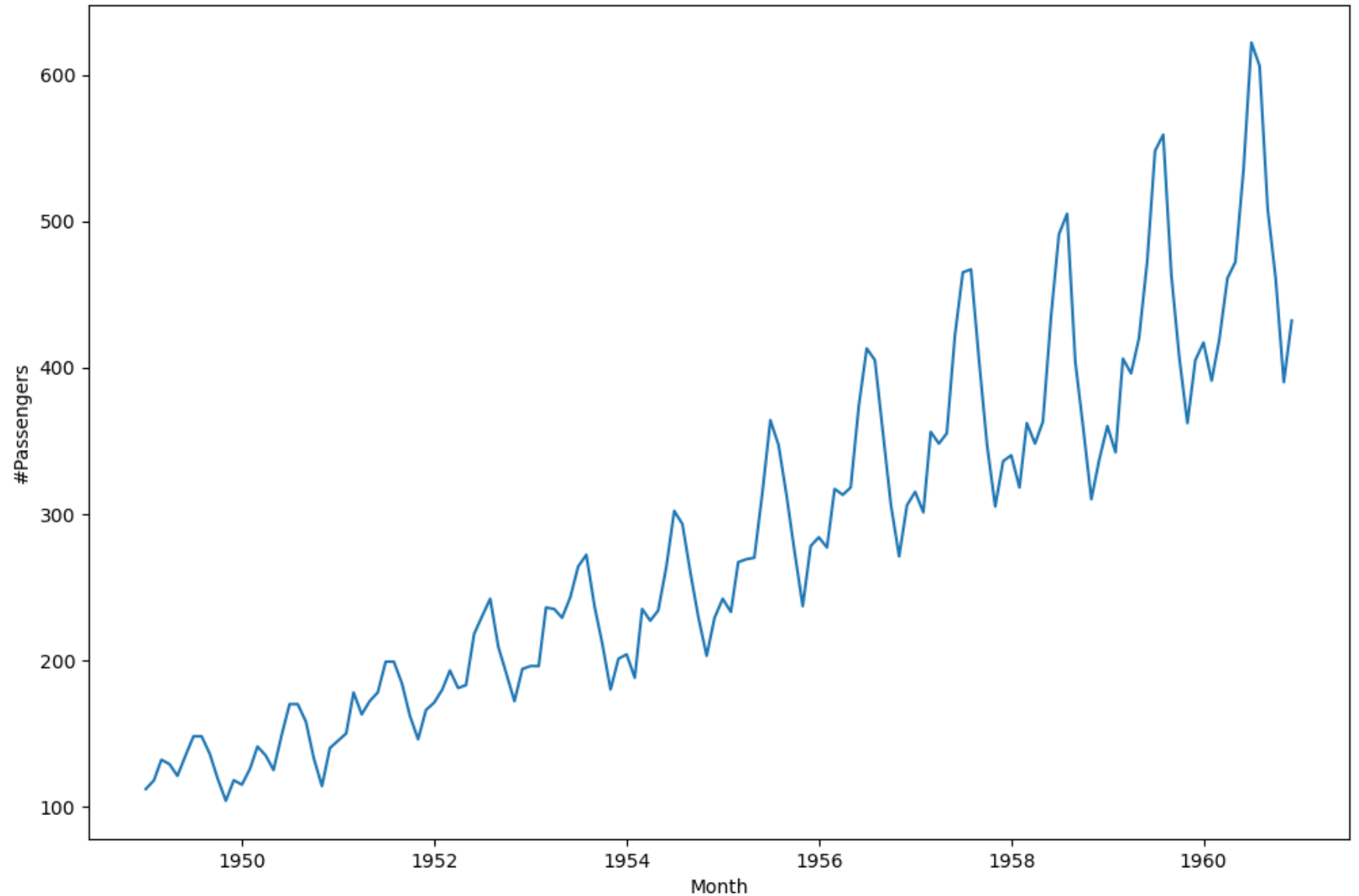
Today's demo

Gender	Customer Type	Age	Type of Travel	Class	Flight Distance	Inflight wifi service	Departure/Arrival time convenient	Ease of Online booking	...	satisfaction
Male	Loyal Customer	13	Personal Travel	Eco Plus	460	3	4	3	...	neutral or dissatisfied
Male	disloyal Customer	25	Business travel	Business	235	3	2	3	...	neutral or dissatisfied
Female	Loyal Customer	26	Business travel	Business	1142	2	2	2	...	satisfied
Female	Loyal Customer	25	Business travel	Business	562	2	5	5	...	neutral or dissatisfied
Male	Loyal Customer	61	Business travel	Business	214	3	3	3	...	satisfied
...
Female	disloyal Customer	23	Business travel	Eco	192	2	1	2	...	neutral or dissatisfied
Male	Loyal Customer	49	Business travel	Business	2347	4	4	4	...	satisfied
Male	disloyal Customer	30	Business travel	Business	1995	1	1	1	...	neutral or dissatisfied
Female	disloyal Customer	22	Business travel	Eco	1000	1	1	1	...	neutral or dissatisfied
Male	Loyal Customer	27	Business travel	Business	1723	1	3	3	...	neutral or dissatisfied



Today's demo

	#Passengers
Month	
1949-01	112
1949-02	118
1949-03	132
1949-04	129
1949-05	121
...	...
1960-08	606
1960-09	508
1960-10	461
1960-11	390
1960-12	432



Conclusion

What is Azure ML?

- Microsoft's all-in-one ML-as-a-service solution

For who is Azure ML?

- Both experts and citizen data scientists
- Small and big projects
- Ideal for organizations already invested in the Azure stack

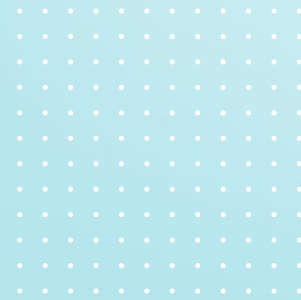
Why should you use Azure ML?

- Mature and scalable platform
- Advanced capabilities like fair and explainable AI
- Good integration in the azure stack

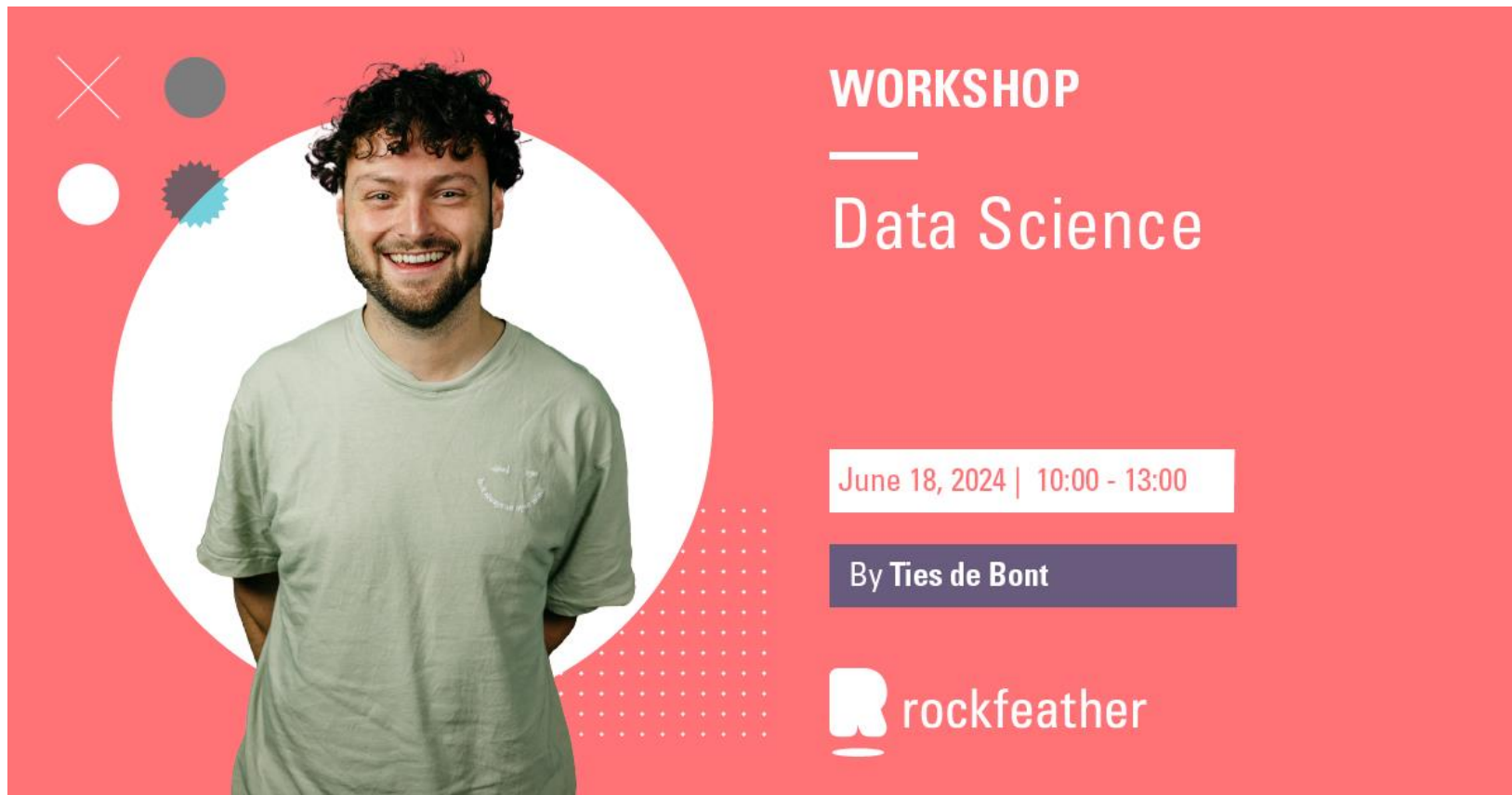




Questions?



Want to know more?




A promotional graphic for a workshop. On the left, a man with curly hair and a beard, wearing a light green t-shirt, is smiling and standing in a white circular frame. The background is red with decorative elements: a white 'X' icon, a grey circle, a white circle, and a blue gear-like shape. To the right of the man, the text 'WORKSHOP' is written in white, followed by a horizontal line and 'Data Science' in a larger white font. Below this, a white box contains the date and time 'June 18, 2024 | 10:00 - 13:00'. Underneath that, a dark purple box contains the text 'By Ties de Bont'. At the bottom right, the 'rockfeather' logo is displayed, consisting of a white stylized 'R' icon and the text 'rockfeather' in white.

WORKSHOP

Data Science

June 18, 2024 | 10:00 - 13:00

By Ties de Bont

 rockfeather



Contact details

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ties.de.bont@rockfeather.com

