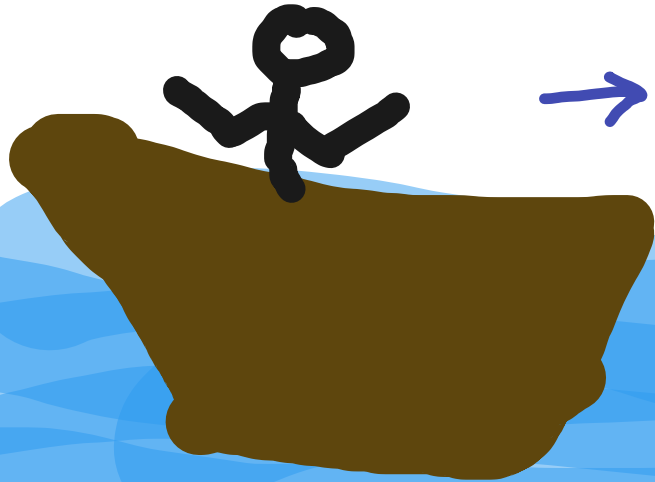


**Data data everywhere,
No time to think**



→ By Aman Sharma



Aman Sharma

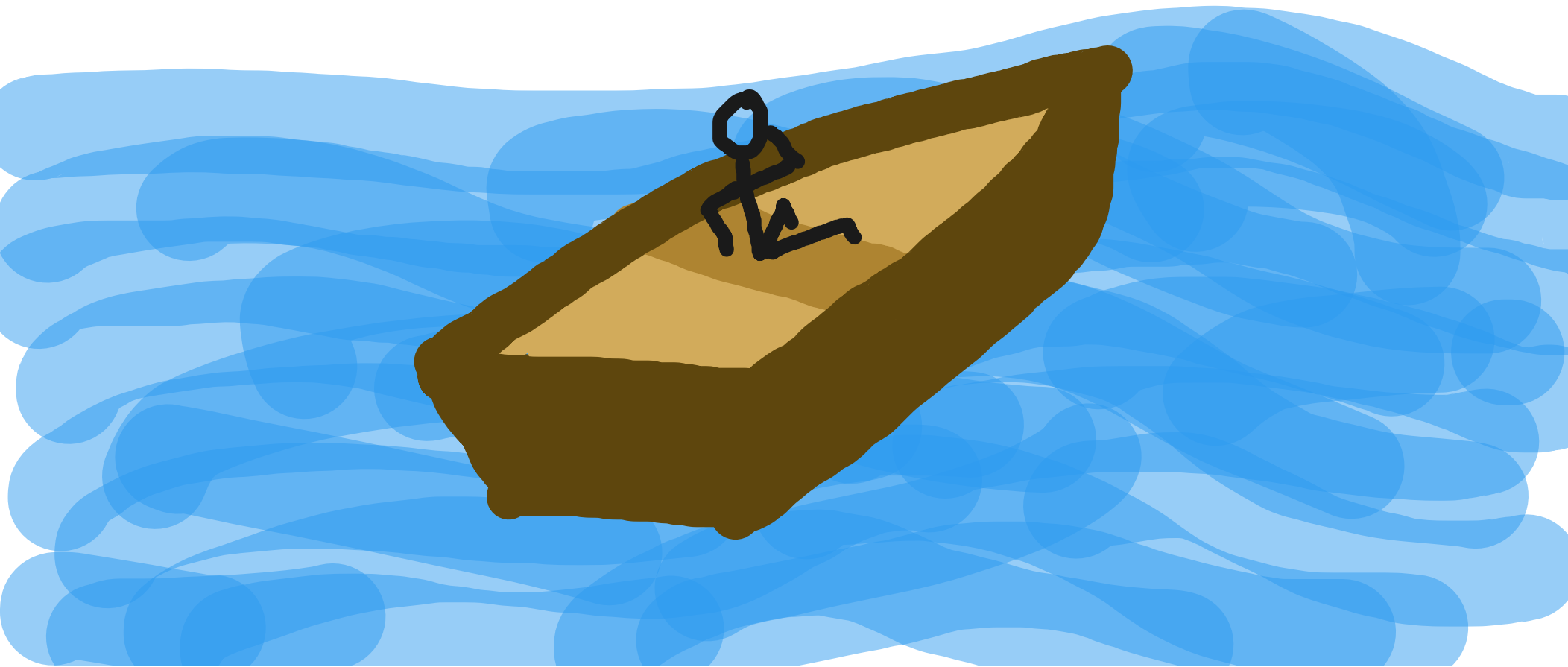


AKA @amanintech

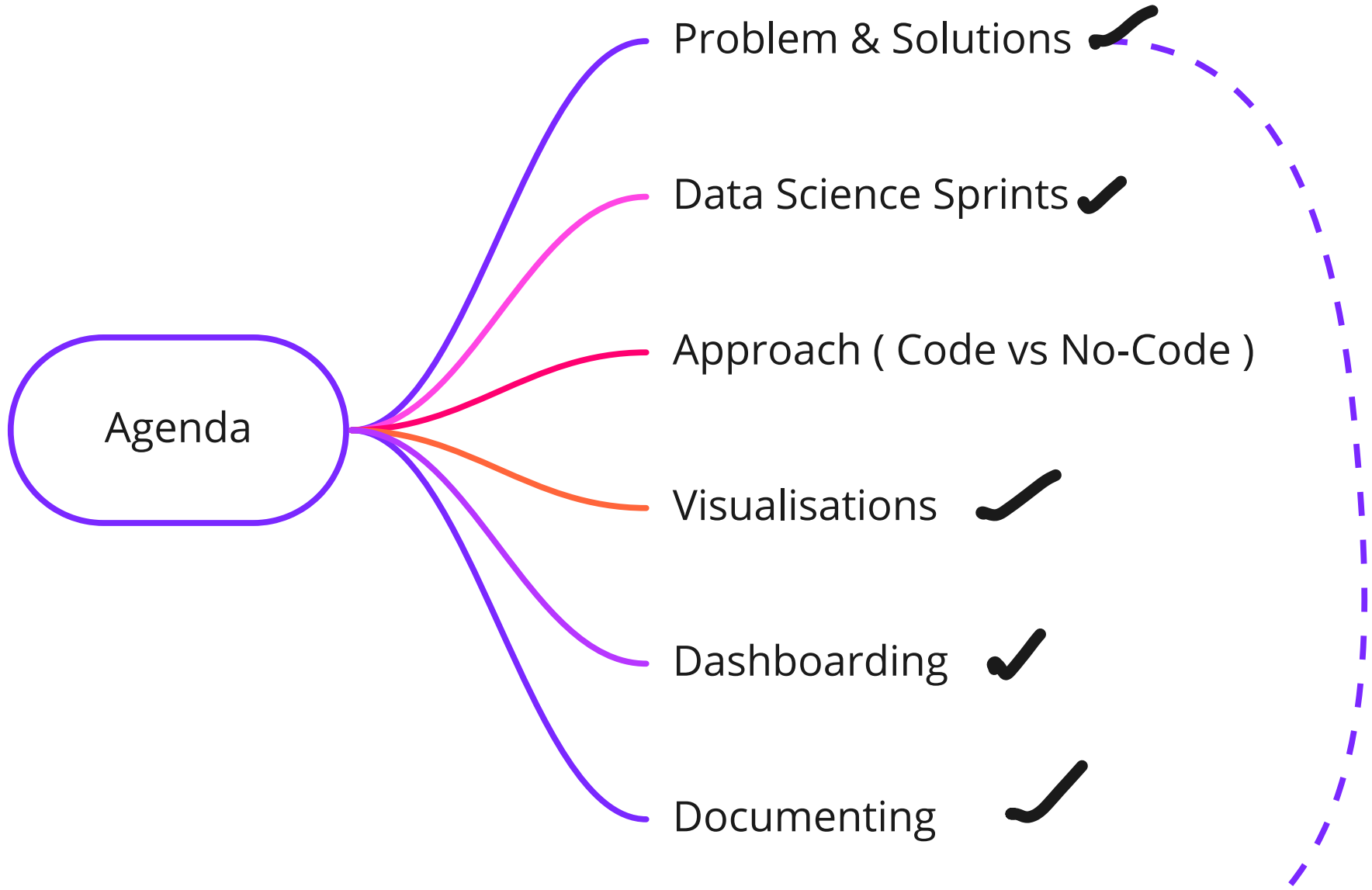


- Co-founder & CTO **twimbit**
- Member **deeplearning.ai**
- Mentor | Entrepreneur | Tech Generalist

Whats
difference
between Data
and Insights ?







Problems

SOLUTION

SYMPTOM

Identifying goal



Communicating

Often loosing the track

Why we were here again ?

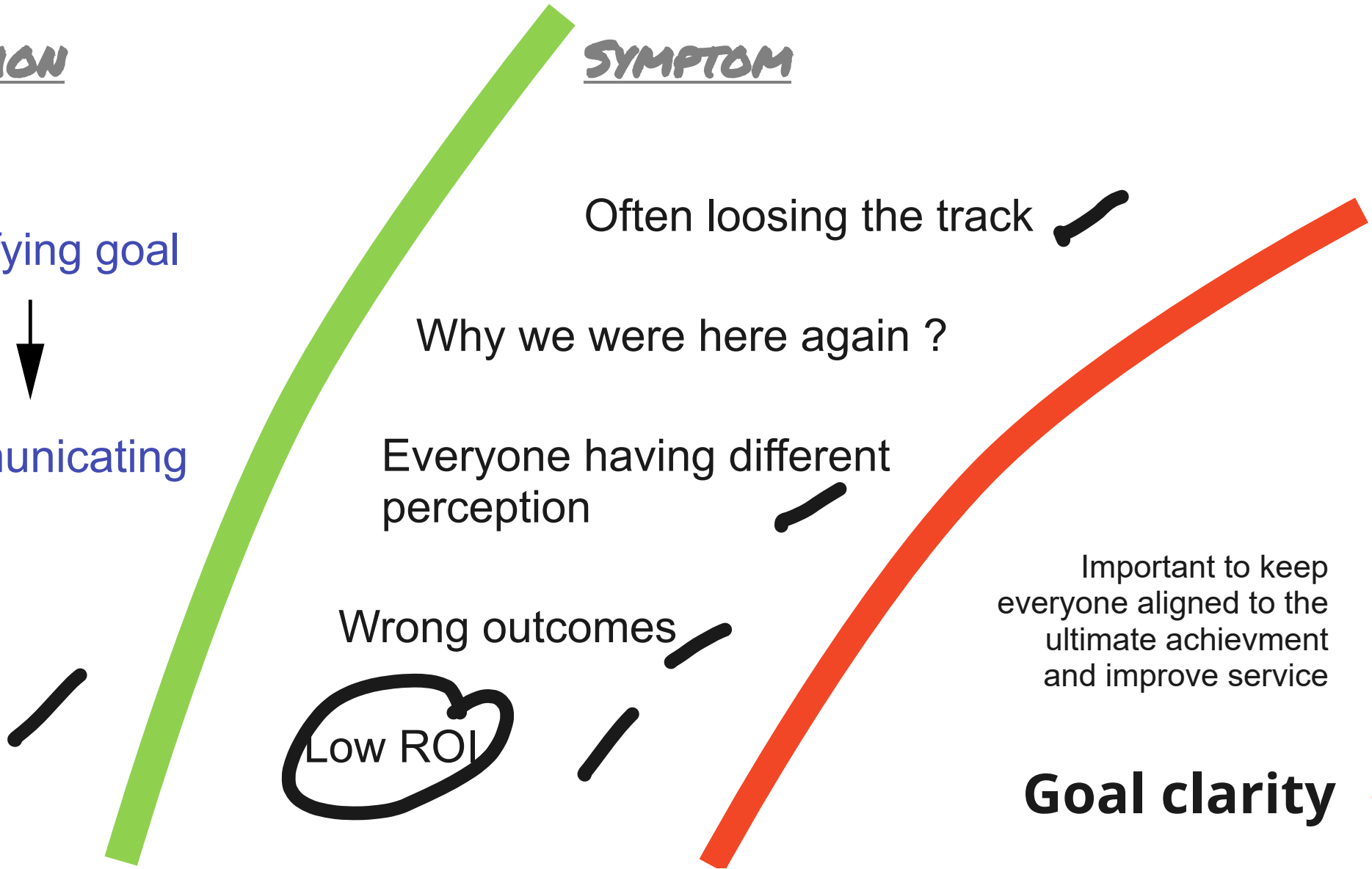
Everyone having different perception

Wrong outcomes

Low ROI

Important to keep everyone aligned to the ultimate achievment and improve service

Goal clarity



SOLUTION

SYMPTOM

Better project structure



Less Deliverables



Strict timelines



Missing deadlines ~~✓~~

Low yield results

Less resources ?

Less resources ?



Reason for chaotic situation and abandonment

Poor planning

Leads to wastage of time and resources

SOLUTION

SYMPTOM

Dirty data

Occurs because of vastness of Data and Bad Data at the same place

Advance tools



Source injection improvement



Too much time spent on Data preprocessing



Less Data vs insights ratio



Poor results

Technical challenges

- Tools Limitation
- Resources
- Talent
- Privacy concerns

System Inefficiency

SYMPTOM

Less people

Lower
turnaround time

Less
transparency

SOLUTION

No - Code

Documentation

Transparency

Data Science
limitedness to only
technical people

Complexity

Insufficiency in Data
Representation due to
information being too
un-understandable

SYMPTOM

Unreadable data

Poor decision
making

Skipping science
part in data

SOLUTION

No-Code

Better
visualisation

Feedback

SYMPTOM

SOLUTION

No inter department communication

Lower growth

Walls inside companies not letting sharing of insights leading lack of effective decisions

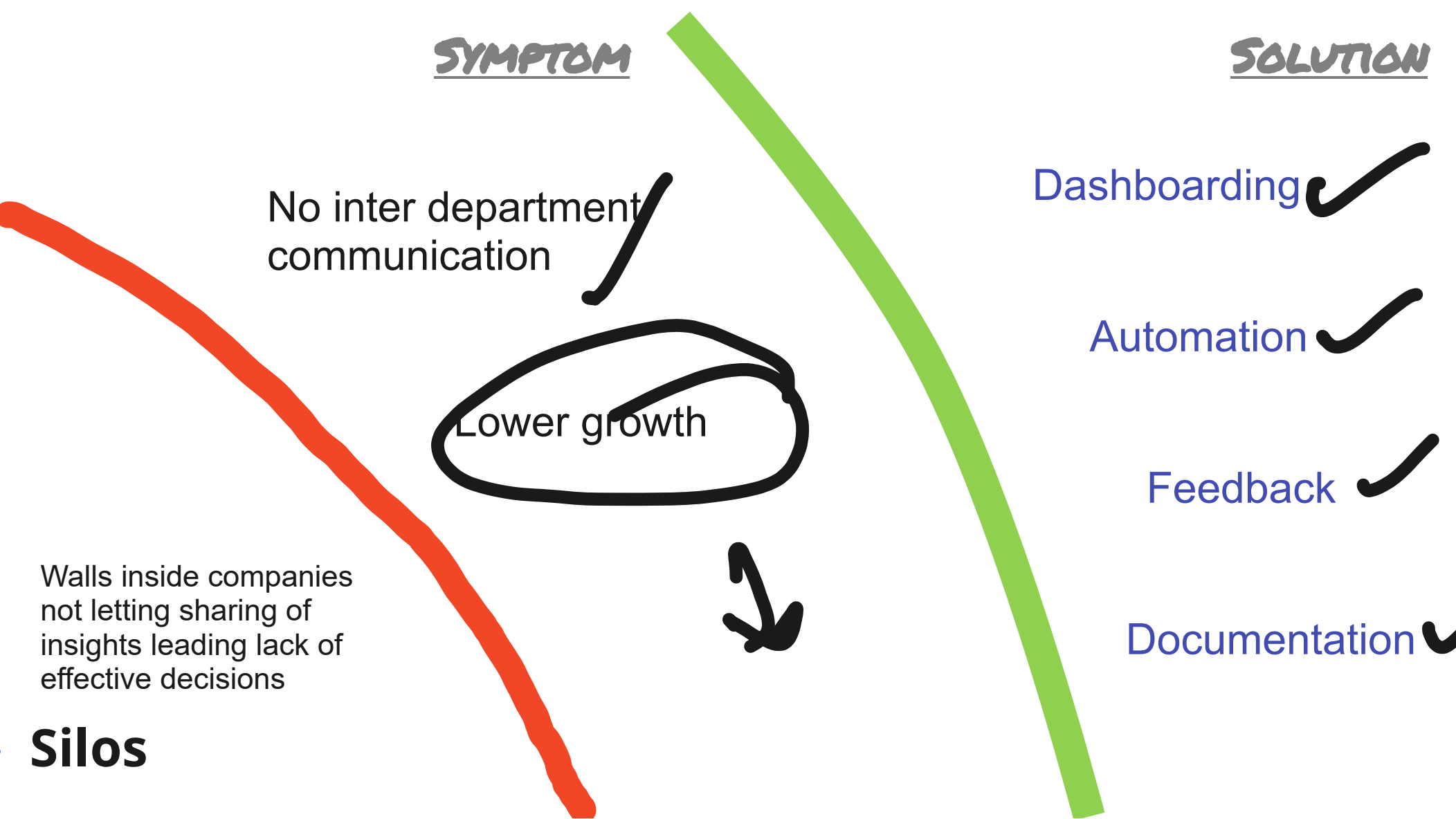
Silos

Dashboarding ✓

Automation ✓

Feedback ✓

Documentation ✓



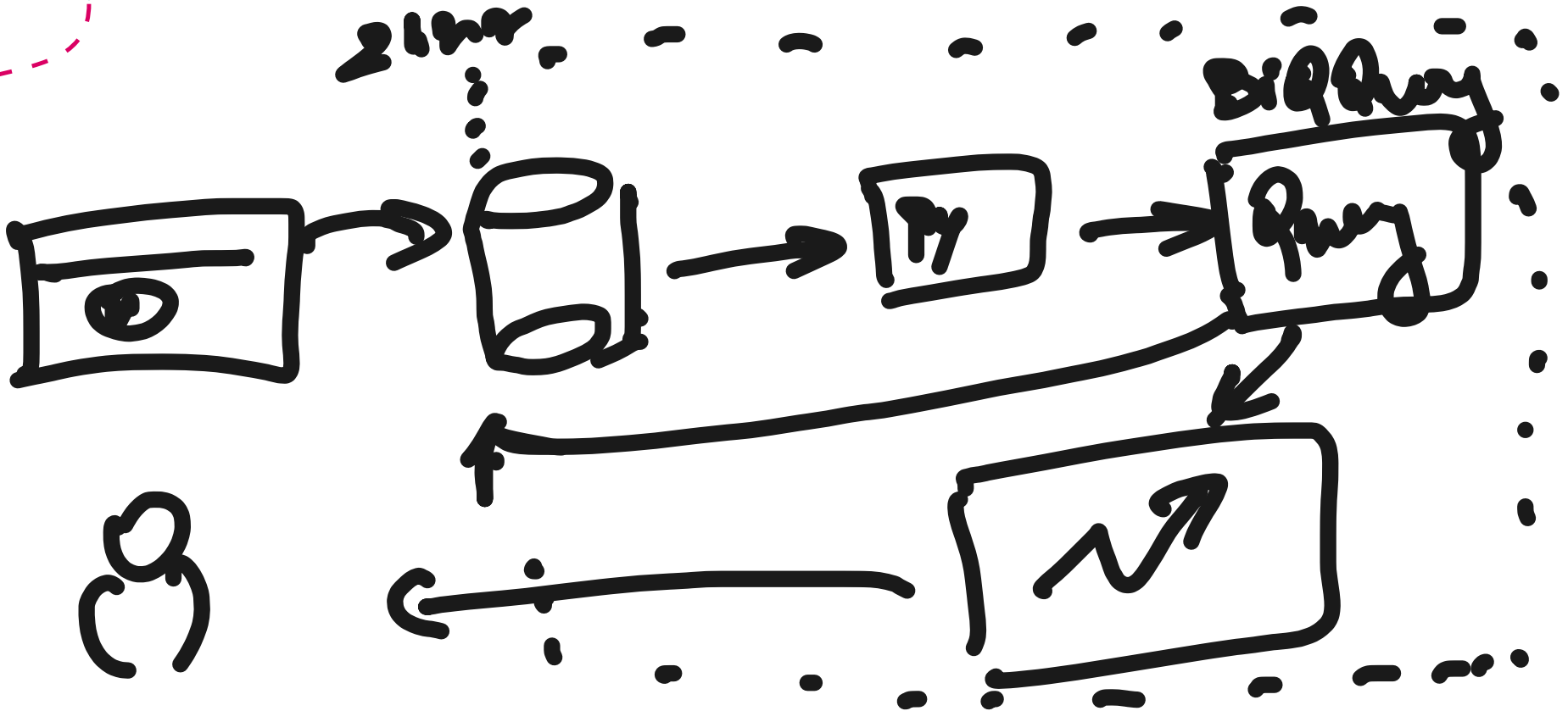
SPRINT

Kanban



DIAGRAMMING

- Trying to get everyone thoughts clear
- Setting realistic achievable + timelines
- Estimating resources



APPROACH

CODE

Pros

- Flexibility
- Scalability
- High function availability

Cons

- Technical proficiency
- Talent
- Silos
- Model Complexity

NO-CODE/ LOW CODE

Pros

- Speed
- Low learning curve
- Fun and Engaging
- Increase productivity
- Openness

Cons

- Flexibility
- Source Choices
- Less options
- Dependency
- Scalability

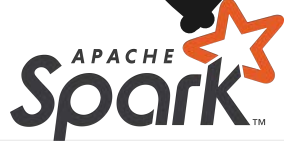
CODE TOOLS



DATA SCIENCE PROGRAMMING LANGUAGES



QUERYING / ANALYSIS



APPLICATION SUITE

NO-CODE/LOW CODE TOOLS


 Google Data Studio ✓

 + a b | e a u ✓

 Power BI ✓

EASY TO CREATE DASHBOARDS AND REPORTS

 Xplenty ✓

 intersect labs ✓

 DataRobot ✓

BUILD AND AUTOMATE DATA SCIENCE FLOWS

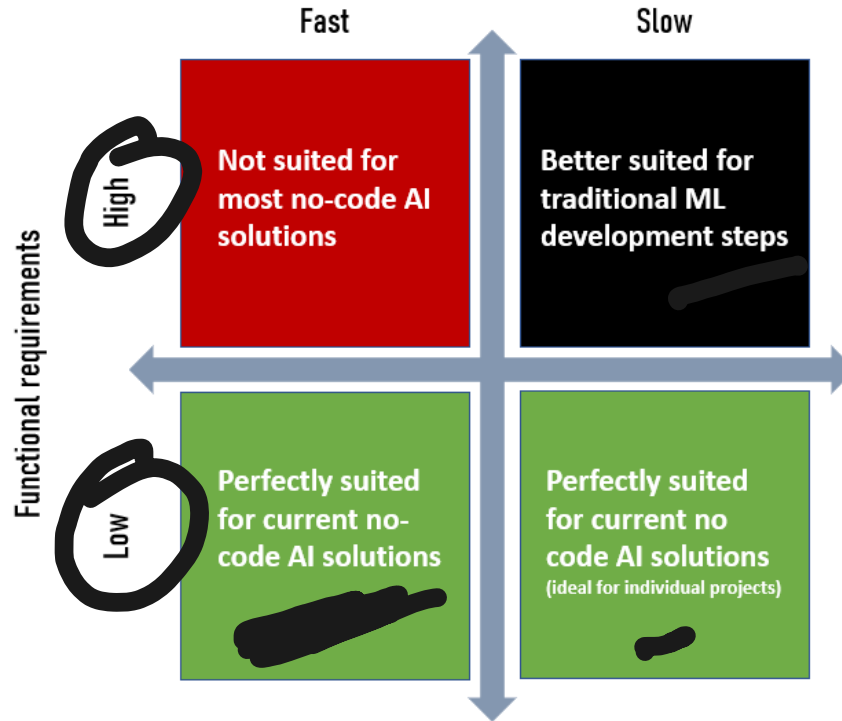
 obviously.ai ✓

 GYANA ✓

END TO END DATA SCIENCE FLOW

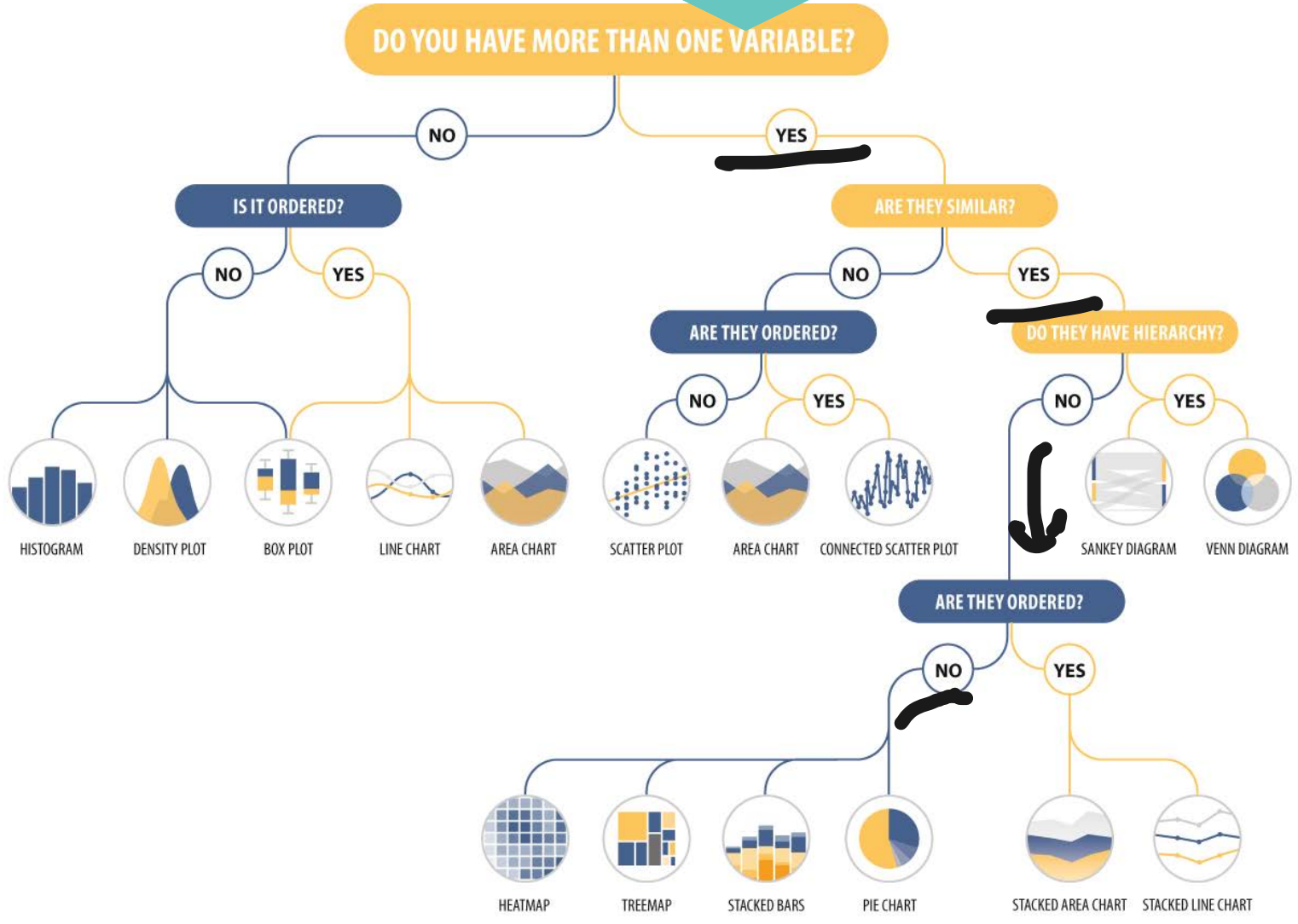
DECISION

Expectations regarding speed of implementation



VISUALISATION

more about charts



Nuts *and* Bolts of Chart Types

Created by
online-behavior.com



PIE CHART

Extremely useful when creating a well designed document that is intended to people that will not read the data (e.g. management)



HISTOGRAM

Chart used by responsible analysts who understand the power of segmentation and the sadness that comes from aggregating data.



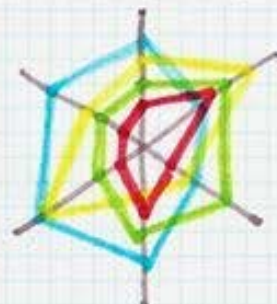
BAR CHART

Safe choice. But make sure you read Stephen Few before you show the chart to your boss, it will increase the probability of getting a raise.



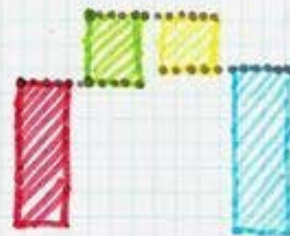
BUBBLE CHART

If you manage to extract insights from this graph your name is Hans Rosling.



RADAR CHART

If you want to build a complex model around which you have done a ton of research, that's your choice (but only PhDs will understand you).



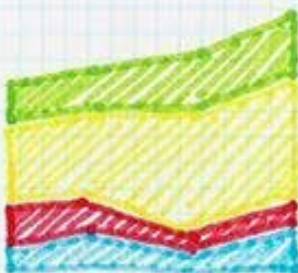
WATERFALL CHART

Perfect if you want to hide information or misguide other people. Seriously, can you trust a chart that is also known as a "Flying Bricks Chart" or "Mario Chart"? No.



LINE CHART

Useful to show trends, especially upwards (for downwards trends people tend to use more obscure charts, like the waterfall chart, see below)



AREA CHART

Please don't use this chart, I beg you! And please buy one of Tufte books.



TREE MAP

I have seen trees and I have seen maps, but how exactly this map is a combination of both? If you use it, good for you.



SCATTERPLOT

Very useful to find outliers, just like the people that commonly create them: human beings that finished their PhD in math by the age of 16.



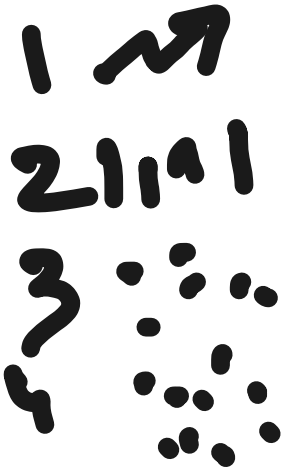
BOX PLOT

This one is for pros. If you use it successfully, you will get a seat in heaven between Ronald Fisher and Johann Carl Friedrich Gauss.

DASHBOARDING

Effectively Sharing findings and work with everyone

Collect
Visualisation



Set a scheduled
Automation



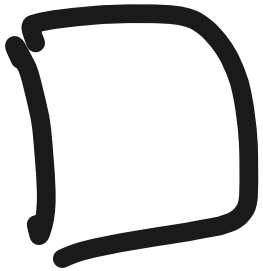
Share access



DOCUMENTING

Learn from your feedback and improvise

Create a shared Document



Add progress



Add findings



Collect feedbacks





SPOT

Clear Goal [1]	Plan Work [2]	Execute [3]	See and improve [4]
<ul style="list-style-type: none"> Understand Organize Communicate Execute 	<ul style="list-style-type: none"> Understand Organize Communicate Execute 	<ul style="list-style-type: none"> Understand Organize Communicate Execute 	<ul style="list-style-type: none"> Understand Organize Communicate Execute

For more info -> [Click Here](#)



CORE TOOLS

Python Data Science / Programming / Learning	R Data Science / Programming / Learning	Scala Data Science / Programming / Learning
SQL Data Science / Programming / Learning	MATLAB Data Science / Programming / Learning	RQuery Data Science / Programming / Learning
Spark Data Science / Programming / Learning	Dip Data Science / Programming / Learning	FreeCodeCamp Data Science / Programming / Learning

APPROACH

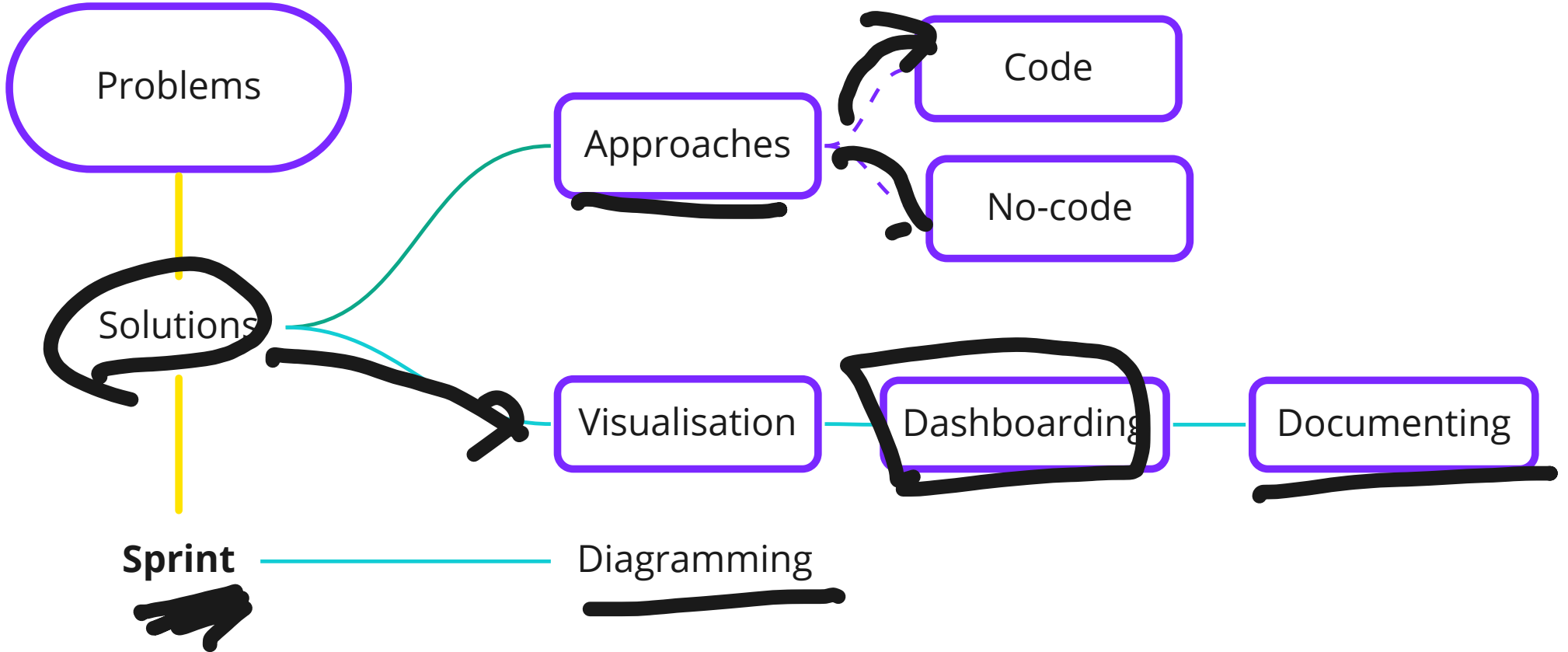
Core	NO-CODE/LOW-CODE
Pros <ul style="list-style-type: none"> Flexibility Scalability High functional availability Cons <ul style="list-style-type: none"> Technical proficiency Secure Stable Model Complexity 	Pros <ul style="list-style-type: none"> Space Low learning curve Fun and engaging Increase productivity Openness Cons <ul style="list-style-type: none"> Flexibility Secure Choice Less options Dependency Stability

NO-CODE/LOW-CODE TOOLS

Google Data Studio READY TO CREATE DASHBOARD AND REPORT	Tableau READY TO CREATE DASHBOARD AND REPORT	Power BI READY TO CREATE DASHBOARD AND REPORT
Xplenty BUILD AND AUTOMATE WITH SOURCE PLUG	Alteryx BUILD AND AUTOMATE WITH SOURCE PLUG	DataRobot BUILD AND AUTOMATE WITH SOURCE PLUG
obviously.ai EASY TO USE DATA STORAGE PLUG	GYANA EASY TO USE DATA STORAGE PLUG	



SUMMARY





**Data data everywhere,
No time to think**

→ *By Aman Sharma*

AKA @amanintech



THANKS FOR YOUR TIME !!