MANAGED BY RUBY THALIB AI & DATA CONSULTANT

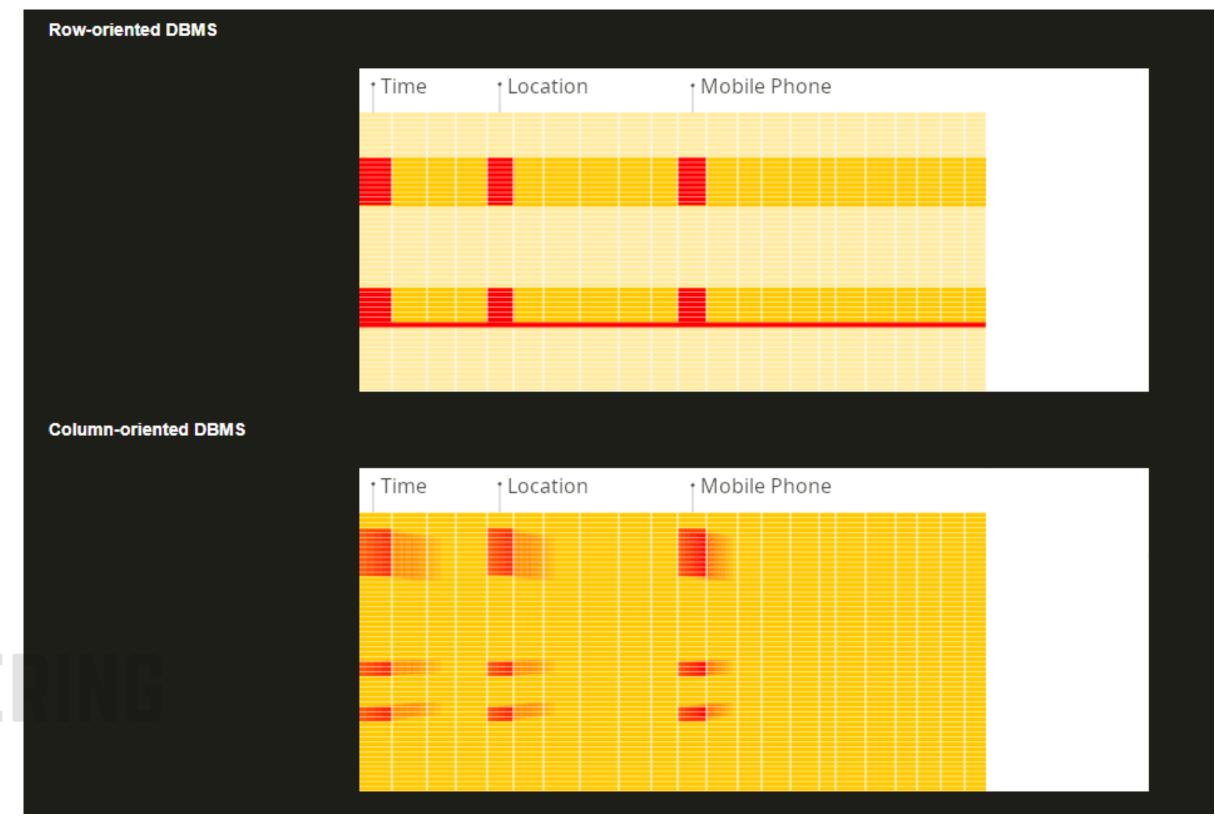
DATA ENGINEERING

MOST SCOPE

INTERACTIVE CLASS, 2024

- Glimpse of CH
- Metrics Essentials
- Data Visualization Tools
- Creating Dashboards

• Glimpse of ClickHouse



MANAGED BY RUBY THALIB AI & DATA CONSULTAN

DATA ENGINEE

MOST SCOPE

INTEDACTIVE CLASS 2024

Glimpse of ClickHouse

Row-Oriented

Row	WatchID	JavaEnable	Title	GoodEvent	EventTime
#0	89354350662	1	Investor Relations	1	2016-05-18 05:19:20
#1	90329509958	0	Contact us	1	2016-05-18 08:10:20
#2	89953706054	1	Mission	1	2016-05-18 07:38:00
#N		***			

MANAGED BY
RUBY THALIB AI & DATA CONSULTANT

DATA Column-Oriented ENGINEERING

MOST SCOPE

INTERACTIVE CLASS, 202

Row:	#0	#1	#2	#N
WatchID:	8 <mark>9</mark> 354350662	90329509958	89953706054	
JavaEnable:	1	0	1	
Title:	Investor Relations	Contact us	Mission	
GoodEvent:	1	1	1	
EventTime:	2016-05-18 05:19:20	2016-05-18 08:10:20	2016-05-18 07:38:00	

Glimpse of ClickHouse

Engines in the family:

- MergeTree
- ReplacingMergeTree
- SummingMergeTree
- AggregatingMergeTree
- CollapsingMergeTree
- VersionedCollapsingMergeTree
- GraphiteMergeTree

MANAGED BY
RUBY THALIB AL & DATA CONSULTAN

DATA ENGINEERING

MOST SCOPE

Metrics Essentials

FORMAT

- -date
- -datetime
- -timezone
- JA-decimal FN-float RING

MOST SCOPE

DEALING WITH ...

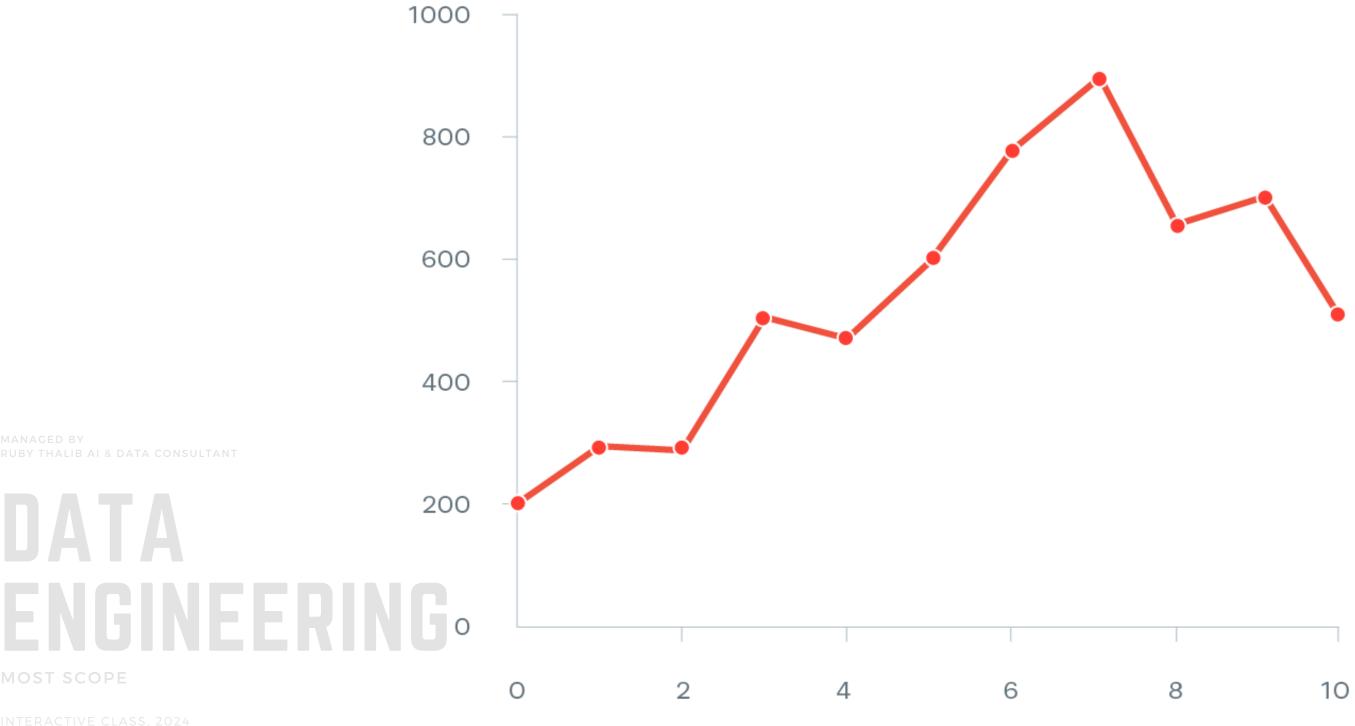
VALUE

- yyyy-mm-dd
- dd-mm-yyyy
- 98,1412414214
- 98,14

REQUEST

- user want a
- user want b
- user want c

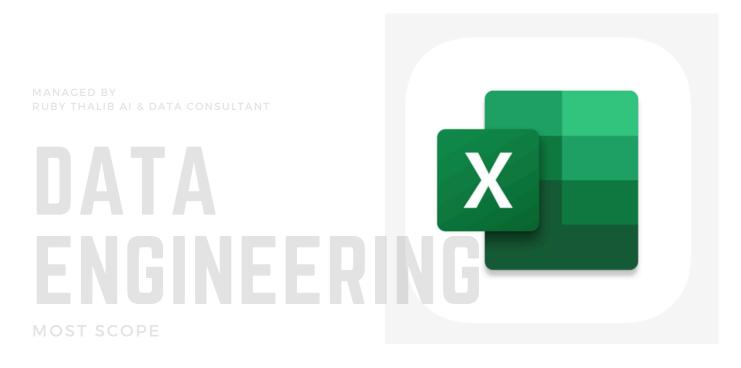
Metrics Essentials



Data Visualization Tools



YOU CAN START WITH





Data Visualization Tools







MANAGED BY
RUBY THALIB AI & DATA CONSULTANT

DATA ENGINEERING



LOST SCOPE

NTERACTIVE CLASS, 2024

OR DEV NATIVE DASHBOARD

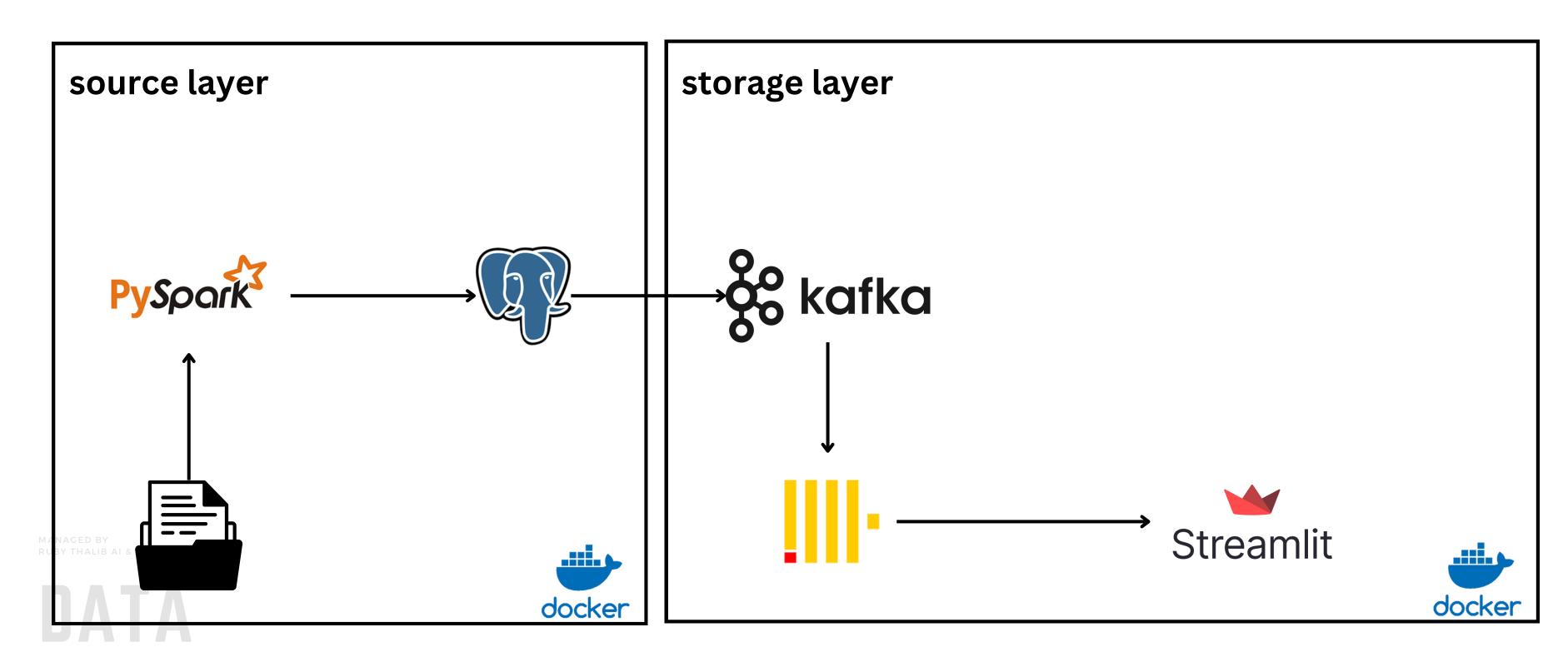
MANAGED BY RUBY THALIB AI & DATA CONSULTANT

DATA ENGINEERING

MOST SCOPE

INTERACTIVE CLASS, 2024

DAY / TRIAL:D



ENGINEERING

MOST SCOPE