



Tableau Experience

Malaysia
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5 Reasons Why We Love Tableau at CADS

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AGENDA

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Our Tableau use cases

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An example of a Tableau use case

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5 Reasons we love Tableau

Our Growth Story



2014

CADS was started with the goal to be the voice of Data Science & Analytics in ASEAN

2015 & 2016

Built Strategic Partnerships with world leading institutions to define and grow the Data Analytics industry



2017

Produced 849 data professionals through our enablement programs



Building Partnership with Coursera to strengthen scale & ease of Curriculum Delivery



Advised government bodies & corporate entities from various verticals on the strategy & implementation of ideal data solutions

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Where we use Tableau

We have used Tableau to deliver a number of public sector projects such as

- Operational Fraud Analysis
- Financial Performance Forecast
- Endemic Disease Outbreak Analysis
- Training Monitoring

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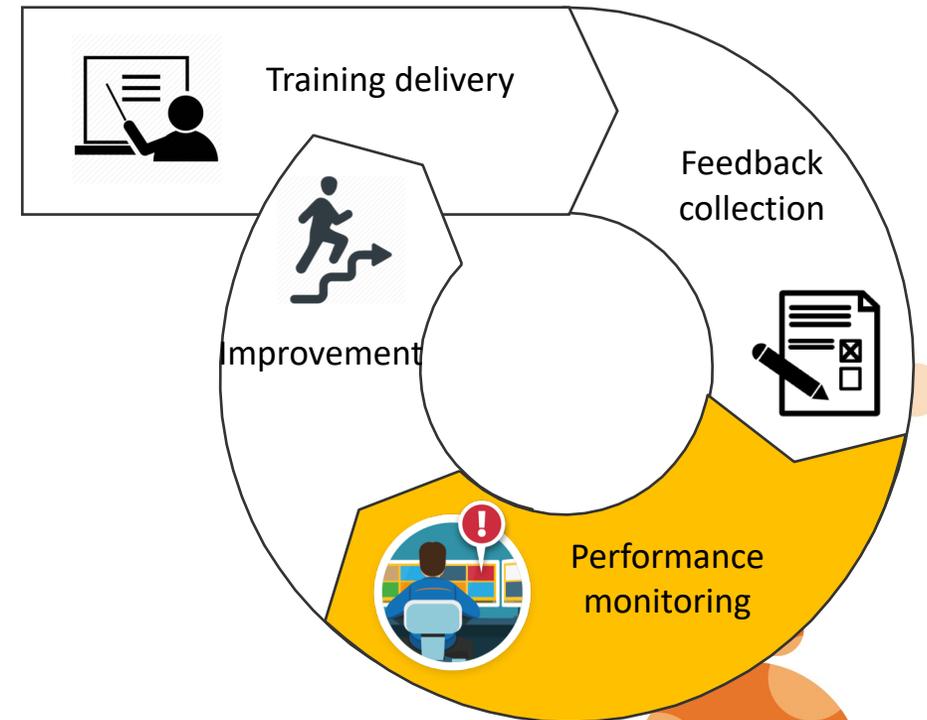
An example of a Tableau use case

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What we wanted to do

Through our collaboration with MDEC we were mandated to participate in training 20,000 data professionals by 2020. Therefore, delivering training with highest quality became one of our objectives in this project. To do so, we needed a dashboard to **monitor and diagnose performance of trainers** based on the feedbacks collected from students.

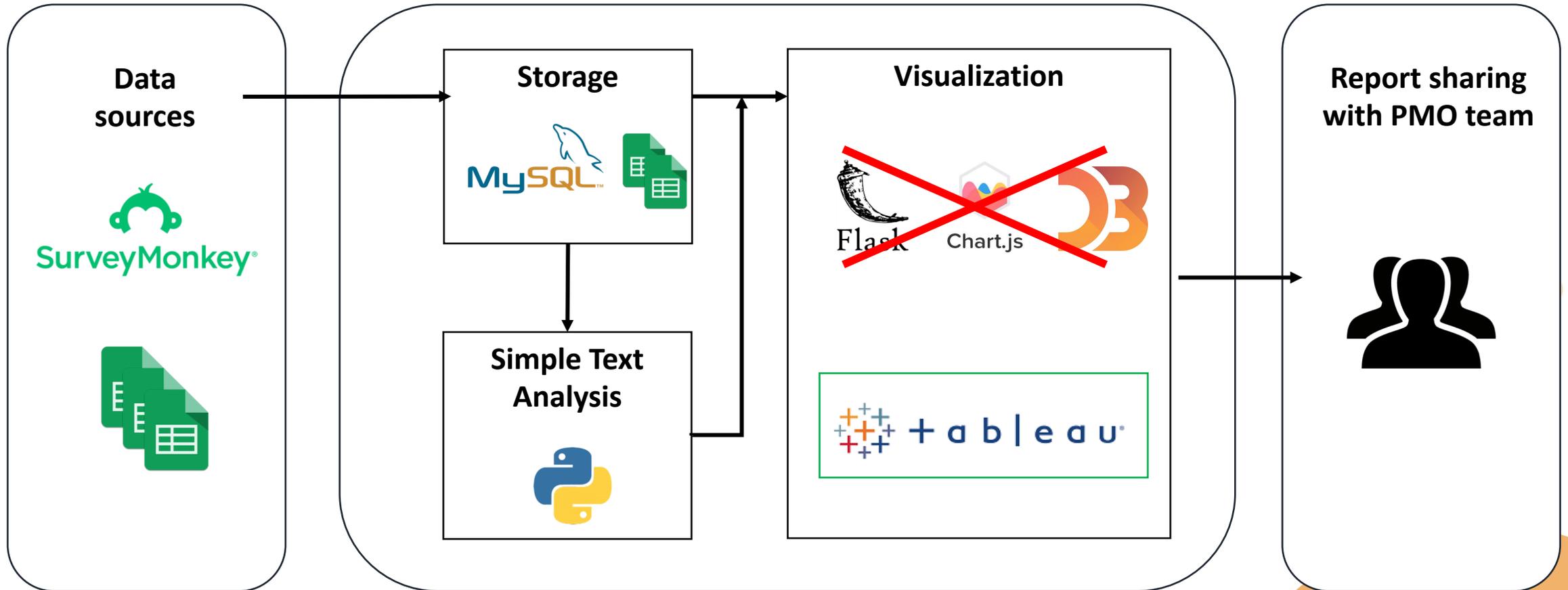


What we did

Initially, we tried to prototype an online dashboard from scratch using Flask web framework and a few Javascript libraries for data visualisation. We had several difficulties in achieving our goals:

- More time was spent on fixing bugs than doing analysis
- Longer development time required (~5x faster on Tableau)
- Javascript has a steep learning curve
- Deployment issues faced in web backend and networking

Our analysis pipeline



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5 Reasons we love Tableau

1. Easy to build and use



- Drag-n-drop and intuitive interface
- Flexibility
- “Show me” recommendations
- Easy to build dashboards

2. Supports various data sources



- At the CADS, we store data in different ways, and the two most common solutions are spreadsheets and SQL databases. Tableau supports data ingestion from these sources very easily.

3. Easy for analysis



- Drill-down analysis
- Flexibility (easy to change visualisations, simple data manipulation)
- Simple analytics e.g. clustering & regression
- Good data visualisation capabilities

4. Engaging presentation



Tableau is our favorite tool to do storytelling, thanks to these features:

- Interactive
- Story
- Actions (animation)

5. Allows easy collaboration



- Tableau makes it easy for analysts to collaborate without the need to settle for a specific language since different analysts in CADS prefer different coding languages.



Thank You