Midterm Paper	
ADSE Enablement Sessions Reflection	
Course Code: CPE311	**Program:** Computer Engineering
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The ASEAN Foundation was formed in December 1997 to help unite the 10 countries in Southeast Asia. One of its main goals is to connect people, especially the youth, and make ASEAN more united. Along with SAP, they launched a program in 2017 called the ASEAN Data Science Explorers (ASEAN DSE). This program helps young people learn the basics of data analytics and how it can be used to solve real-life problems, especially those related to the UN Sustainable Development Goals (UN-SDGs).

One of the program's main components, the ASEAN DSE Enablement Session, was an opportunity I had to participate in with the help of my professor. It was more interactive and hands-on than a typical lecture. We learned about SAP Analytics Cloud (SAC), a tool for working with and comprehending data. The lecturer asked us some simple but interesting questions at the start of the session, such as: What is data analytics? What makes it significant? How are we going to use it? Honestly, I wasn't sure how to answer them at first, but it piqued my interest and increased my desire to study even more.

I know a little bit about data analytics thanks to my professor, but I was eager to learn more. What made me excited was the fact that I had the opportunity to learn alongside students from other ASEAN countries, all of whom were curious about data analytics as it was relevant to my course.

At the start of the session, we learned what data analytics really is, why it’s important, and how we can use it. Some examples that were mentioned were that data analytics is not just for big companies or experts; it’s something we encounter in everyday life. For example, the ads we see online, how businesses predict what customers want, and data affects us all.

We also looked at how data is used in different fields. An example that was mentioned in the session is on social media, data shows what people like and helps create a better user experience. Seeing these examples made me understand that data is everywhere and is crucial for solving problems in many areas of life.

This session made me realize the essence of what data analytics can do. It's about using data to make smart decisions and optimize things in the real world.

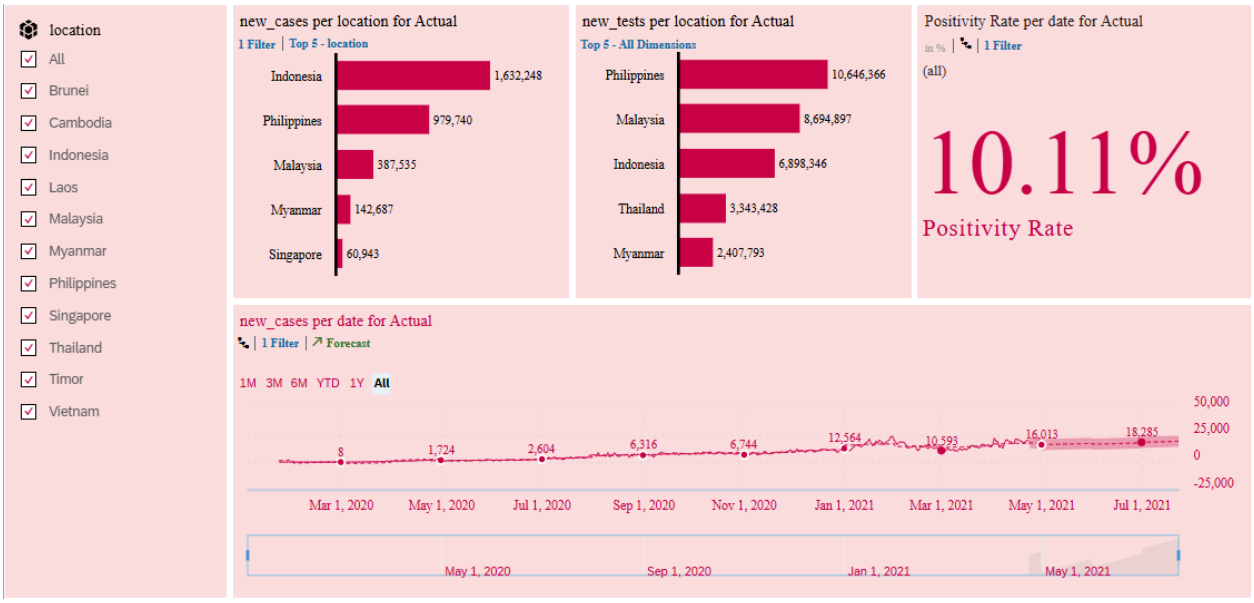
One of the most exciting parts of the session was the chance to use SAP Analytics Cloud (SAC). Before this, I didn’t know that SAC is a tool that helps organize and read data. It's a tool that I hadn’t really heard of before, as we mainly use Python modules such as matplotlib, numpy, and pandas. But

not so much about how data was analyzed using such advanced tools. During the session, we were introduced to SAC and how it helps businesses and organizations make sense of large amounts of data. It was satisfying that I was able to learn how to manipulate data, although we only learned the basics. It showed me the potential of its use when I will be able to master it.

They first provided how to login to the analytics cloud, then we made our first model and selected the file that they provided. Now we move on to selecting total_cases as our measure and what is Aggregation type, exception aggregation dimensions. These were also explained in the manual that was given to us. The manual helped guide us step by step, especially in understanding how to choose the right measure, what aggregation means, and when to use exception aggregation. It wasn't too hard to follow, but it was something new to me. I just followed what was being shown and slowly started to understand how each part affects the data we see.

As the session continued, we started to explore how data is shown in different ways. We created simple visualizations like charts and graphs using the SAC tool, and it was interesting to see how the data could be presented visually. It helped me understand things better because it wasn't just plain numbers anymore. We even made use of Smart Discovery, which can provide A.I generated insights for the data. Even though I still have a lot to learn about data analytics, seeing how the tool works made it feel a bit easier to understand.

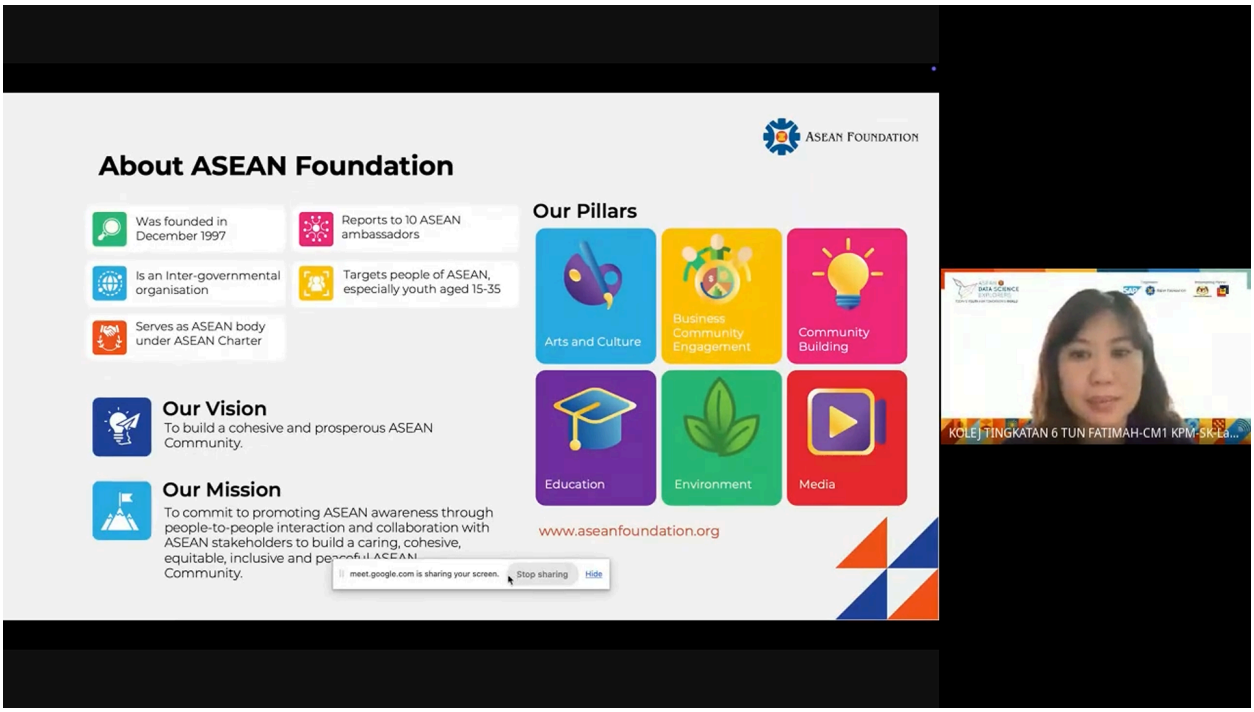
Here's an example of my own stylized story:

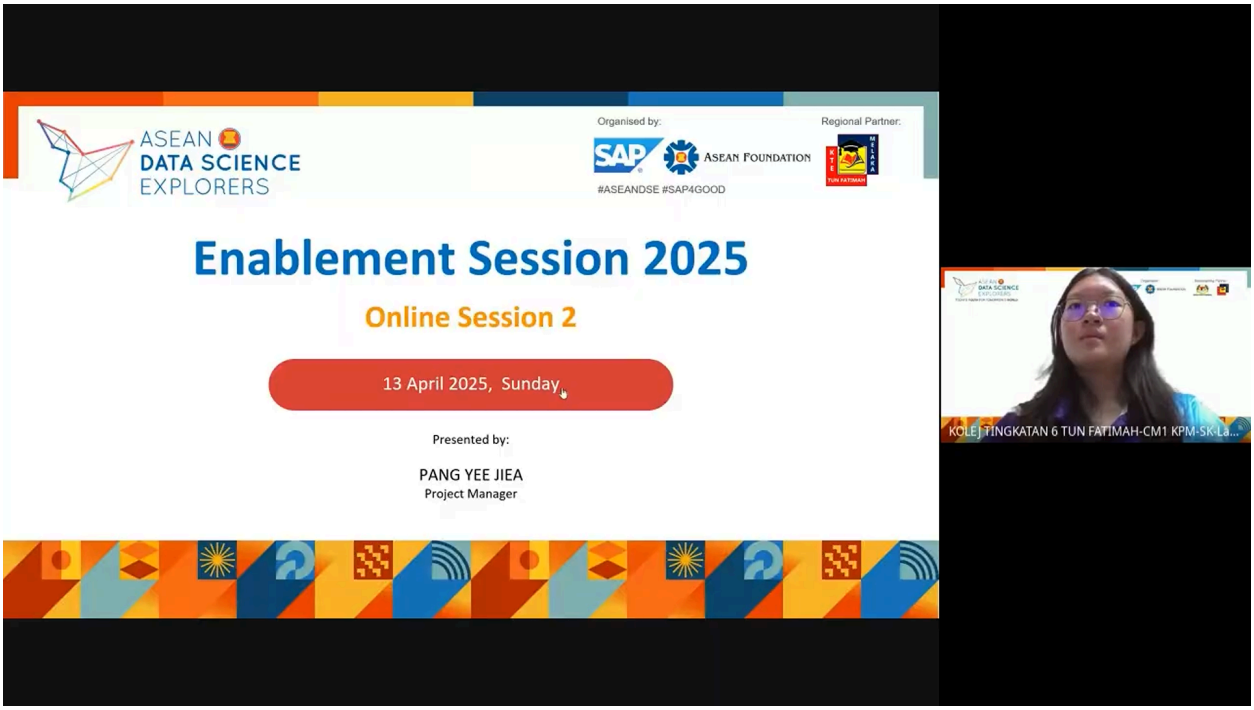


Looking back, I'm glad I joined the ASEAN DSE Enablement Session. It helped me learn new things about data analytics and tools like SAC that I never used before. I'm still figuring things out, but now I have a better idea of how data is used in real situations. I hope I can use this knowledge in school and maybe in future projects too.

The session was really helpful because the instructors explained things clearly, and although some parts were tricky since some parts are outdated, I didn't feel too lost. I just followed along and tried to learn step by step. By the end of the session, I felt more comfortable with the idea of using data and tools like SAC.Il'm thankful I joined because it gave me a solid start in data analytics, and I'm looking forward to learning more in the future.

Here are some screenshots of the sessions:





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ASEAN Data Science Explorers 2025 Enablement Session Questionnaire

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