

- Think of a product, service, or industry you use daily that relies on data. How might data science be involved?

Online shopping websites or applications like Shopee, Lazada, Amazon, and Ebay. Data science can be seen through the engines that are being used to gather the data that the users are looking for and entering. Mostly, the recommendation engine provides the collaborative filtering of the searches based on the users' preferences. It also implies segmentation which algorithms can group customers based on behavior for targeted marketing campaigns. Lastly, it could detect fraud whenever there are unusual transactions that could happen in real-time.

- Why do you think Python has become the preferred language for data science?

Python has a very manageable syntax compared to other programming languages. It accelerates the development of non-coders like analysis. There are also a lot of resources available for python for us to learn so the knowledge could spread so easily, influencing people to use this language and more likely add it to their preferred programming language.

- What features make Python suitable for handling data?

Dynamic typing could be the reason why python is suitable for handling data. It speeds up coding by eliminating type declarations. It also uses different compilers like JupyterLab Notebooks, and SQL integration.

- If you were leading a data science team, what habits and practices would you enforce to keep work efficient, accurate, and reproducible?

Proper documentation is a must. Everything must be documented and recorded for us to be able to determine what coincides with the situation or program that we are currently working with. Also the integrity or data integrity to provide restoration of raw data, and validation of the inputs. Collaboration should be there as well, providing collaborative dashboards for us to gather data and make an output by considering everyone's opinion and creativity.