Defining Strategies through AI and ML

Course description (concise)

This program for Product managers, Program managers and tech consultants teaches the business aspects that are important for solving and implementing data science solutions. In these days, we begin with the state of the art of data science and walk the participants through problem definition, data strategy, performance metrics and productionization strategies. The participants work on problems as groups and develop a blueprint of the solution for a problem of choice.

Target Audience :

Open to All Global Tech associates

Goal :

Adopting AI is as much about aligning it with business as it is about building the code and testing it. This course discusses several business aspects that are important in designing and implementing a data science project.

AI/ML IN BUSINESS

In this workshop, participants will dive deeper by understanding data - how to visualize and enhance it and also identify its limitations early on. Participants will learn to design performance strategies, set benchmarks and strategies to push beyond, while building solutions that are deployable and scalable.

Course Description (detail)

Module 1:

Defining a data strategy:

In this module, the participants learn to think about data systematically. They learn frameworks to do the following correctly

- Feature engineering and target definition

- Checking for biases within the data

- Augmenting and synthesizing data in the world of transfer learning

- Tagging the data: Importance and techniques

Module 2:

Defining performance strategy:

In this module, the participants learn to define performance metrics and feedback loops that align with business. They see the limitation of just the statistical metrics. They learn to identify sufficient and necessary conditions for data science solutions. They learn to define what the systems should not learn and how to design them within performance metrics.

Module 3:

Defining productionization strategy:

The participants learn how to define what charts and graphs to plot systematically to inform business users of progress and accomplishments of data science models. Where visualizations cannot be done, they learn the other strategies that can be used. They then move on to analyse machine and human related aspects that play important roles in productionize. Learn frameworks and strategies to build a productionize.