**PE08: Programming Exercise**

**Instruction**

**Predict Ad Click Conversion through XGBoost**

Closely follow [ClickFraud\_Tracking.ipynb](https://github.com/PacktPublishing/Hands-On-Artificial-Intelligence-on-Amazon-Web-Services/blob/master/Chapter12/Code/ClickFraud_Tracking.ipynb) up until `Training` step. You don’t need to finish `Plot Feature Importance` and `Inferences` the model parts.

**Your task for PE10 is to:**

1. Complete above task

**Please make sure you remove all the running resources after finishing the task.**

**HINT**:

* Feel free to follow [this step-by-step video](https://cityuseattle.sharepoint.com/teams/AI620ONEmergicTopicsinArtificialIntelligence-Fall2024/_layouts/15/stream.aspx?id=%2Fteams%2FAI620ONEmergicTopicsinArtificialIntelligence%2DFall2024%2FShared%20Documents%2FModule%2008%2FRecordings%2FMeeting%20in%20%5FModule%2008%5F%2D20241117%5F102033%2DMeeting%20Recording%2Emp4&referrer=StreamWebApp%2EWeb&referrerScenario=AddressBarCopied%2Eview%2Efbdf99ee%2D3ae1%2D4bf1%2Daa5d%2Daa44245f0852) to complete this PE

**Submit the items below to the PE submission page:**

1. Please provide screenshots after completing `Preprocessing`, `Explore Data`, `Create Features`, and `Training` steps.
2. Around 100 words of overall feelings completing this PE.
   * Make sure the PE module number and your name are written on the file name, e.g., "*PE08\_Name.docx").*