

Web App Development and Deployment Case Study

- Dataset : [Beer Servings](#)
- Create and evaluate regression models to predict the target variable “total_litres_of_pure_alcohol”
- Input
 - Country (Categorical)
 - Beer_servings
 - Spirit_servings
 - Wine_servings
 - Continent (Categorical)
- Model development:
 - Model selection criteria is based on R2-score on evaluation data
 - Try at least two regression models
 - Perform Hyperparameter tuning
 - Choose best model for deployment based on evaluation criteria
- Requirement of User Interface
 - Infographics of data should be on the landing page
 - Should have 3 numerical inputs and dropdown menus for categorical variables
- Develop and test web app using Streamlit/Flask in your Laptop/PC
- Deploy the web app to cloud (Python anywhere/Streamlit cloud)
- Share the GitHub repository link and public URL of deployed web app via Paatshala.

Submission deadline: 24 June 2025 9:00 PM