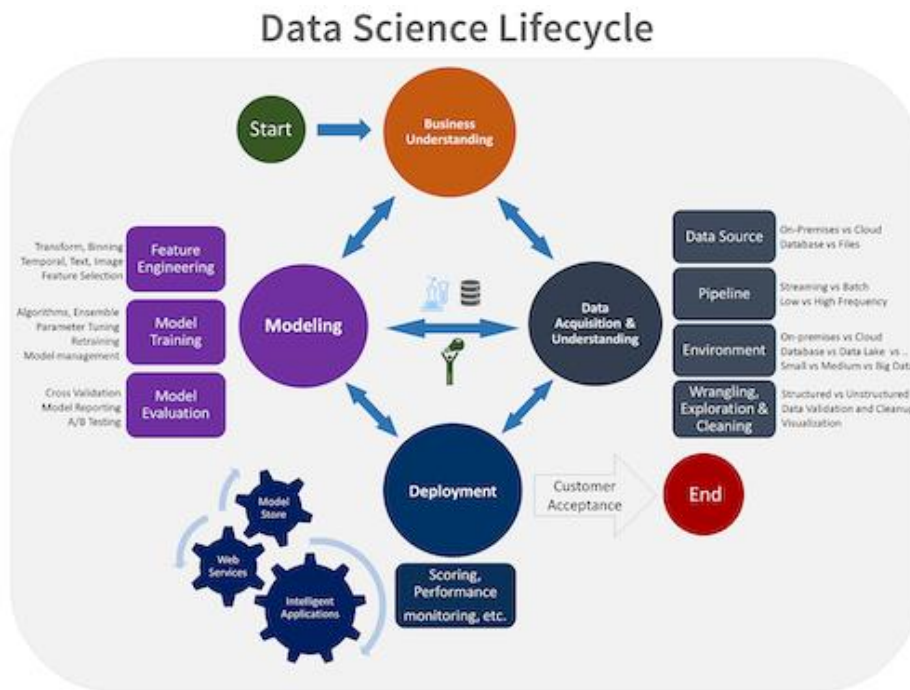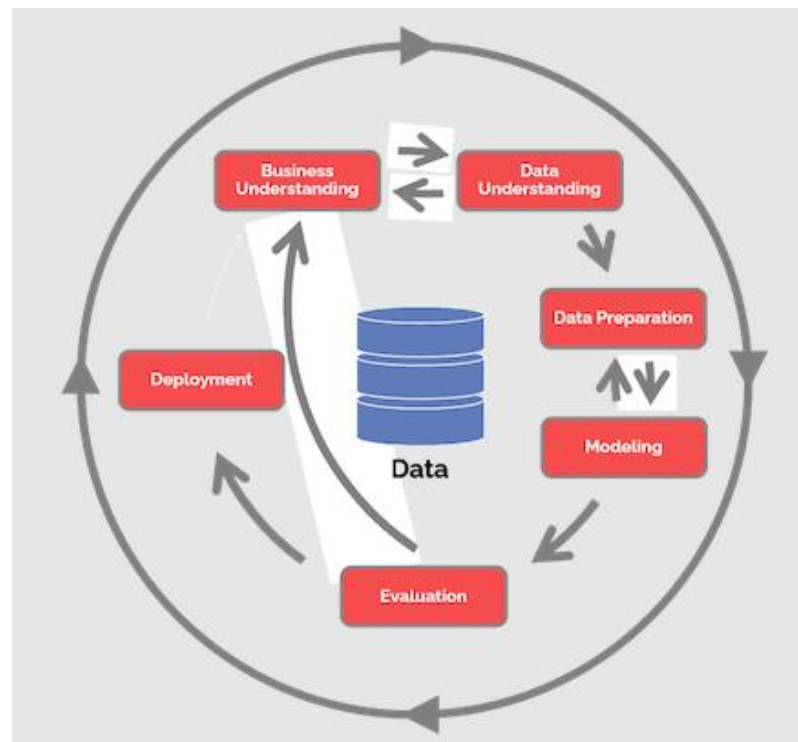**CHALLENGE**

Data Science Lifecycle

Team Data Science Process (TDSP)

Cross-industry standard process for data mining (CRISP-DM)

Explore the <u>Team Data Science Process lifecycle</u> and the <u>Cross-industry standard process for data mining</u>. Name 3 similarities and differences between the two.

Similarities between TDSP and CRISP-DM

1. **Iterative Nature**: Both processes are iterative, allowing for continuous refinement and improvement of models and analysis.

2. **Structured Stages**: Each framework is divided into clear, structured stages that guide the data science workflow from understanding to deployment.

3. **Business Understanding**: Both start with an understanding of the business problem or goal, ensuring alignment with organizational needs.

Differences between TDSP and CRISP-DM

1. **Deployment Focus**: TDSP emphasizes deployment and operationalization of models, ensuring they are integrated into business processes. CRISP-DM focuses more on the data mining aspect without as much emphasis on deployment.

2. **Team Collaboration**: TDSP explicitly includes team collaboration and communication as integral parts of the process, while CRISP-DM is more focused on individual stages of data mining.

3. **Documentation and Tool Use**: TDSP includes detailed documentation and tool recommendations throughout its stages, offering a more prescriptive approach compared to the flexible guidelines of CRISP-DM.