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TASK 4

DATA SCIENCE LIFE CYCLE

NETFLIX RECOMMENDATION SYSTEM

* Problem Definition:

In a general data science life cycle, the problem is defined at the beginning, while in a Netflix recommendation system, to predict which movies or shows a user will enjoy based on their viewing history.

* Data Collection:

A data scientist might gather data from various sources, while Netflix primarily collects data directly from user interactions like play history, ratings, and search behavior.

* Model Building:

A data scientist might explore various modeling techniques depending on the problem, whereas Netflix heavily utilizes collaborative filtering and content-based filtering algorithms to generate recommendations.

* Continuous Improvement:

Both data science and Netflix recommendation systems involve ongoing evaluation and refinement, but Netflix's system is particularly dynamic, constantly updating its models as users continue to interact.