

Task 4: Data Science Lifecycle Example

1. Understand the Problem:

Goal: Help people find products they might like on a shopping website.

Why: To make shopping easier and more fun.

2. Gather Data:

What: Collect information about what people click on, buy, and like.

How: Use tools that track actions on the website

3. Clean and Prepare Data:

Fix: Remove mistakes and fill in missing information.

Get Ready: Make the data easy to use for analysis.

4. Train the Model:

Learn: Teach a computer program to understand what products people might like.

Test: Check how well the program suggests products.

5. Use and Watch:

Launch: Put the program on the website to start suggesting products.

Check: Keep an eye on how well it's working and make improvements.