Too Much Salt in Data Soup!

AI systems learn from the "ingredients" we feed them - data from people, places, and experiences. If that data mostly comes from one group or leaves others out, the final product (the AI) ends up **unbalanced** - kind of like soup with way too much salt and not enough flavor.

Your job: **be a Data Chef.** Each "recipe" below describes a dataset used to train an AI. Your task is to figure out what's missing or overrepresented, how that could lead to bias, and what new ingredients (data) could make the system fairer and more accurate. In short: **spot the imbalance, and fix the recipe.**

Dataset 1: The Tweet Translator - An AI is trained on **2 million English-language tweets from users in the United States and Canada.**

1. What kind of bias might this create?

2. Whose voices or perspectives are missing?

3. How could you "rebalance the recipe"?

Dataset 2: The Fashion Finder - A clothing-recognition AI is trained on **photos from fashion magazines and online stores.**

1. What kind of bias might show up here?

2. Which styles, body types, or cultures might be left out?

3. How could the AI's data mix be improved?

Dataset 3: The Smart Hiring Helper - A company trains an AI to review job applications using **résumés from their most successful employees from the past 10 years.**

1. What hidden bias could this create?

2. How might this affect who gets recommended for jobs?

3. What could the company add or change to make it fairer?