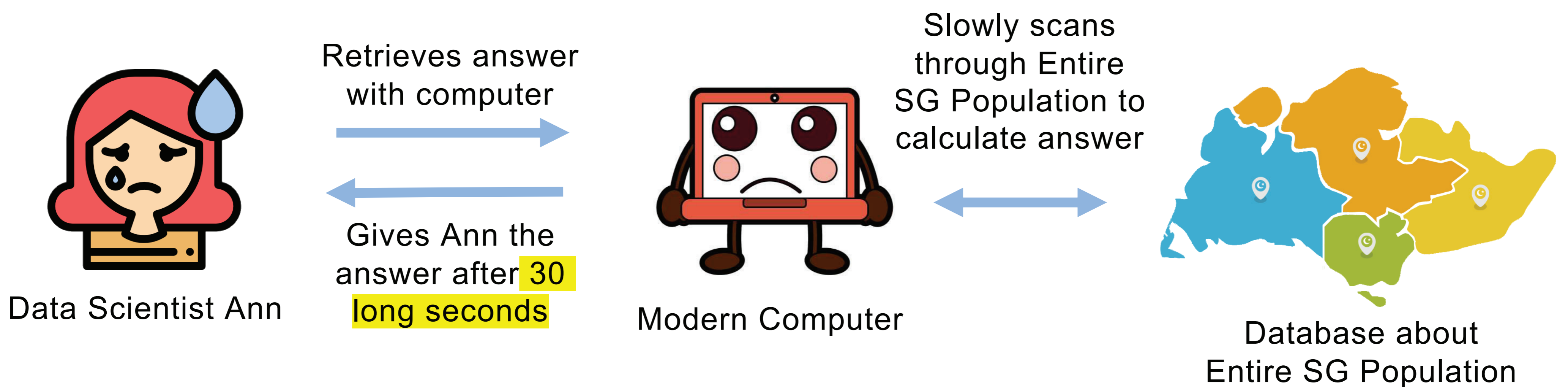


# Fast Big Data Exploration

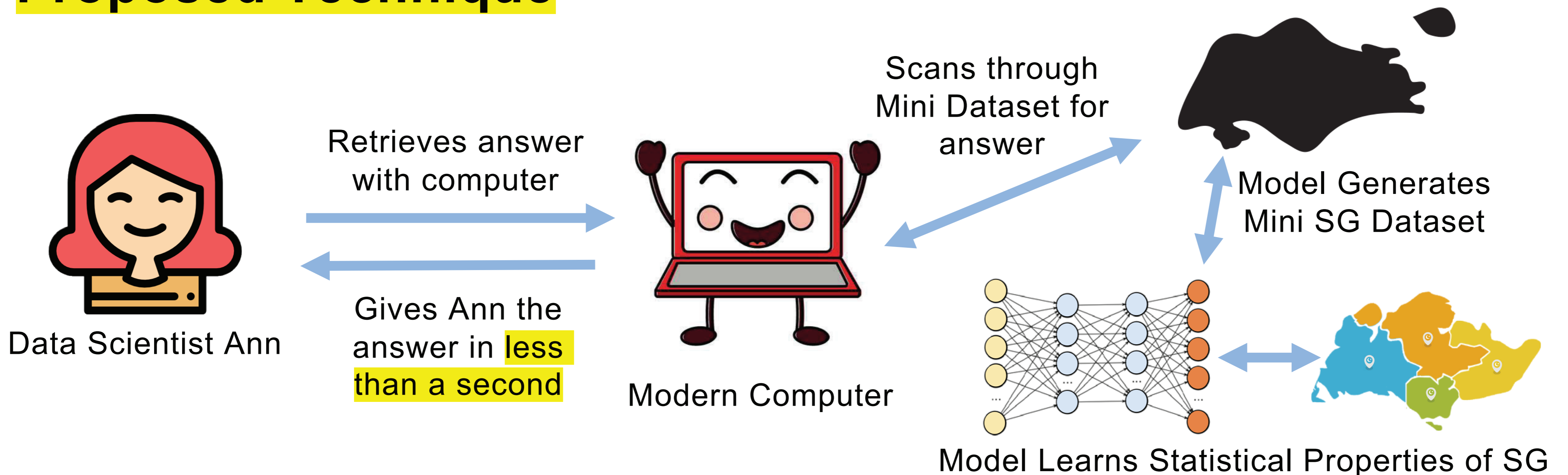
## Approximate Query via Deep Generative Models (DGM)

### Obtaining Statistics From Large Datasets Is Slow



*A scenario: Ann wants to know the average household income in North (Orange Region) of SG for Policy Making*

### Proposed Technique



### What's cool about this:

- Exponentially Faster Querying Speeds
- Minimal Loss in accuracy
- Accuracy can be improved in Real Time by generating more data
- First to use Normalizing Flows in Approximate Query (AQP)