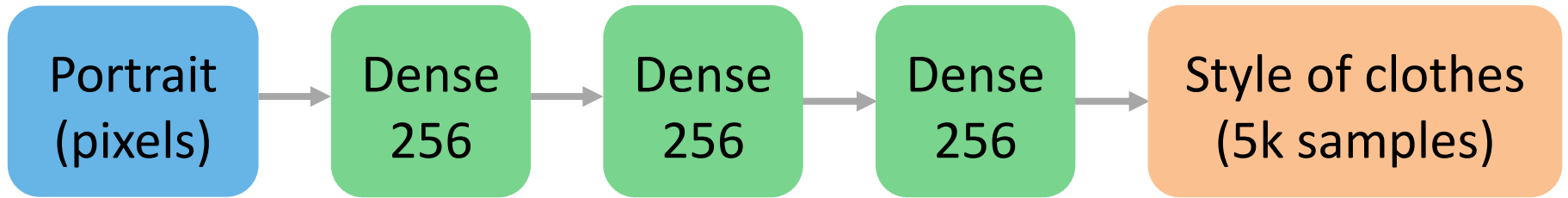


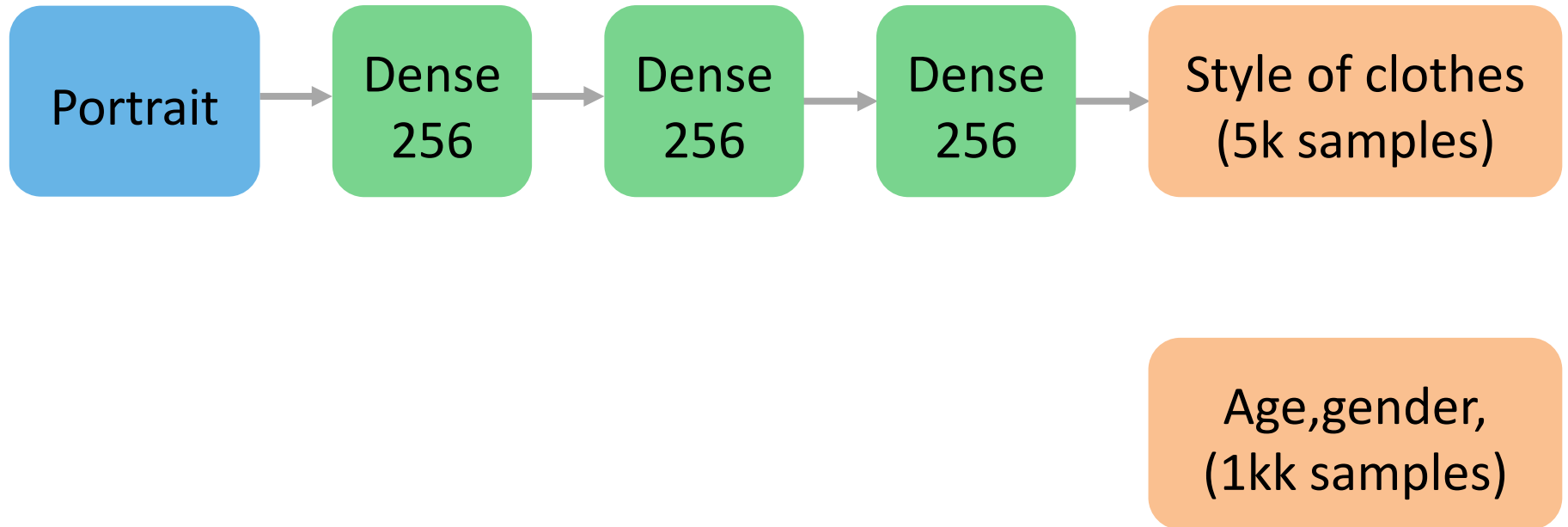
Deep learning is a language

You have a small dataset



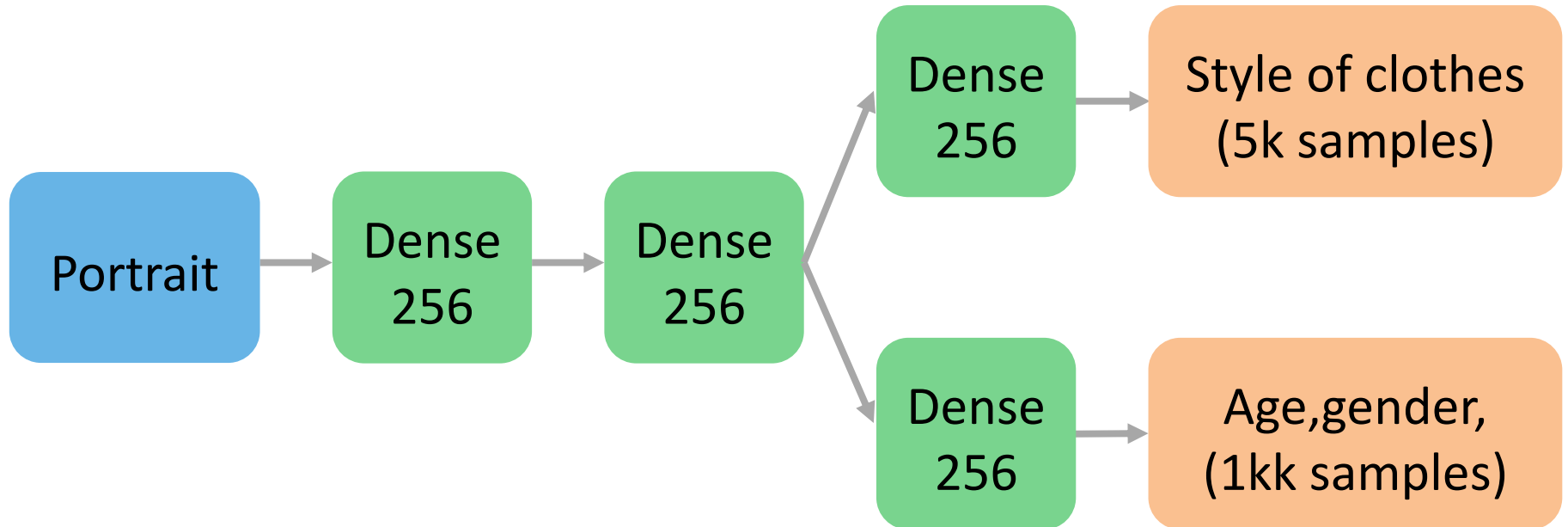
Deep learning is a language

You have a small dataset
and a larger dataset with similar task



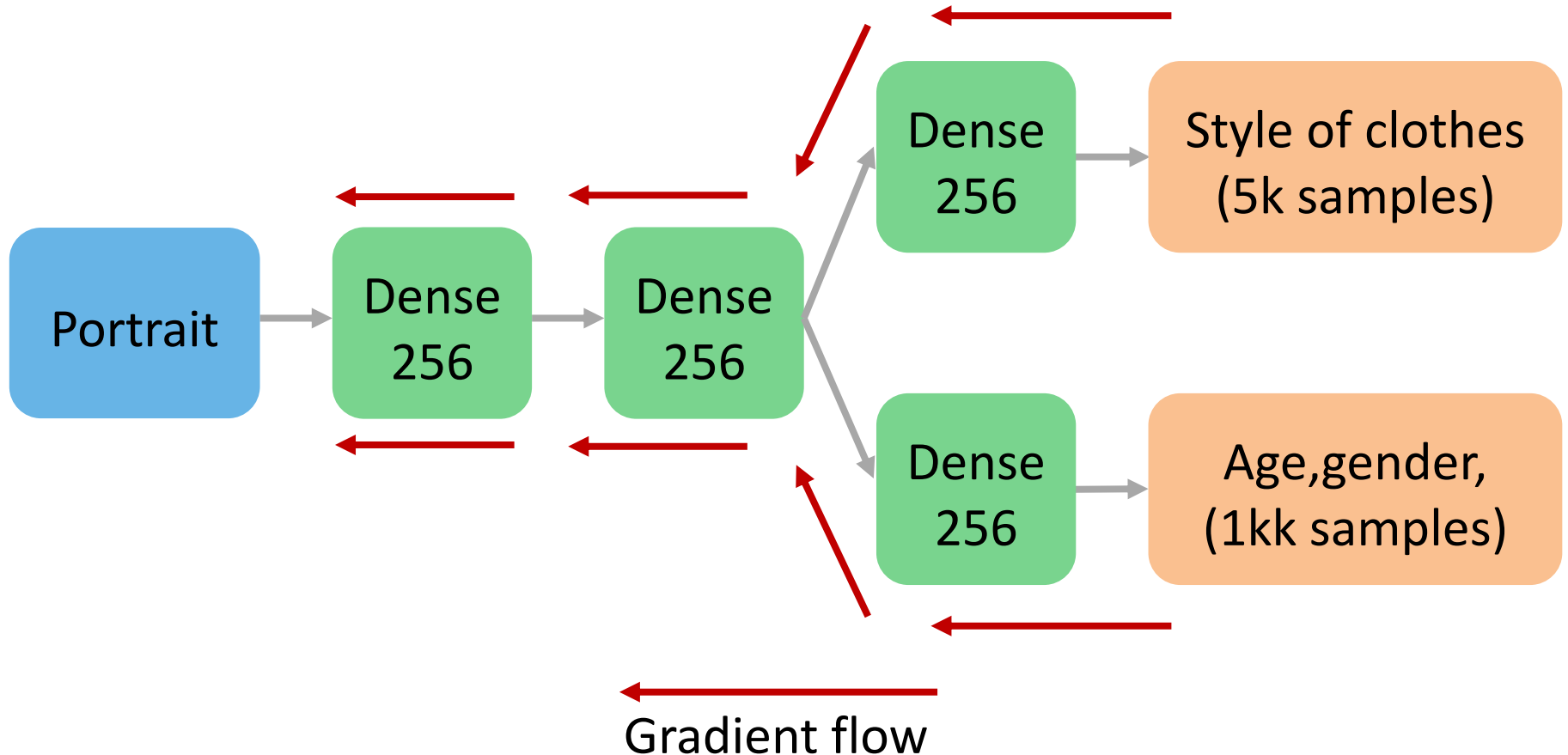
Deep learning is a language

You have a small dataset
and a larger dataset with similar task



Deep learning is a language

I want to learn features for style classification
that also help determine age & gender



Deep learning is a language

For images:

- “I want to classify cats regardless where they are”
- “I don't want model to be indifferent to small shifts”

For texts:

- “Model should reconstruct the underlying process”

In general:

- “I don't want model to trust single feature too much”
- “I want my features to be sparse”