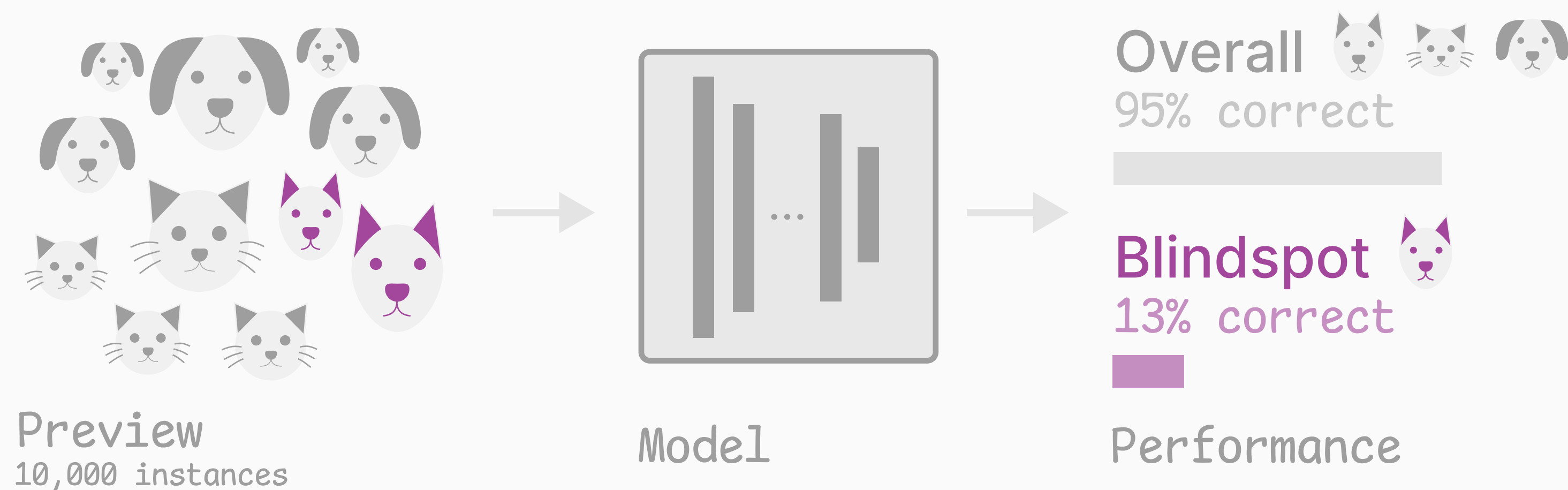


Introduction

Your model may have great performance, but it may be failing on an important subset of the data: a **Blindspot**.



Who cares about Blindspots?

- Models have impact on your life
In Healthcare, Self-Driving, Finance, Admissions, and more!
- Blindspots are unexpected and could have catastrophic consequences if not discovered

Discovering Blindspots

Existing Methods

- Interactive (human)
 - Need meaningful metadata to start
 - Constrained by what you have (metadata)
- Automated (computer)
 - Many incoherent blindspots
 - Does not align with human in the majority of cases

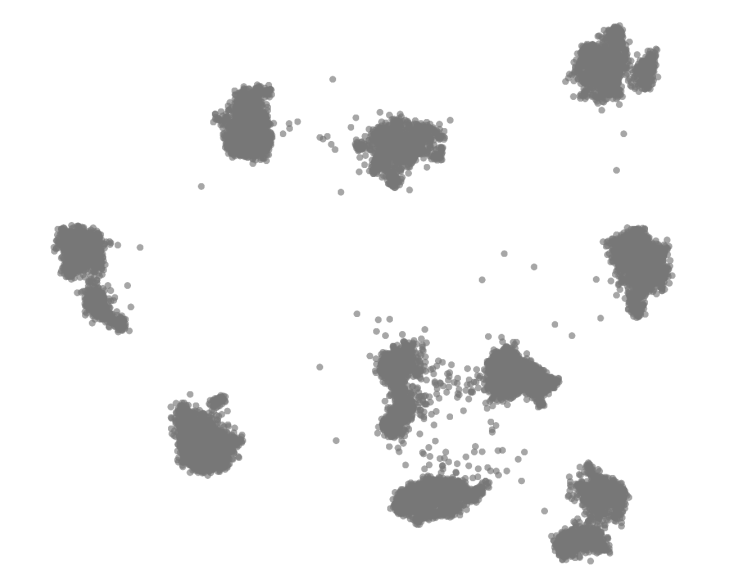
Our Method

Interactive Blindspot Discovery Bringing humans into the loop with data projection.

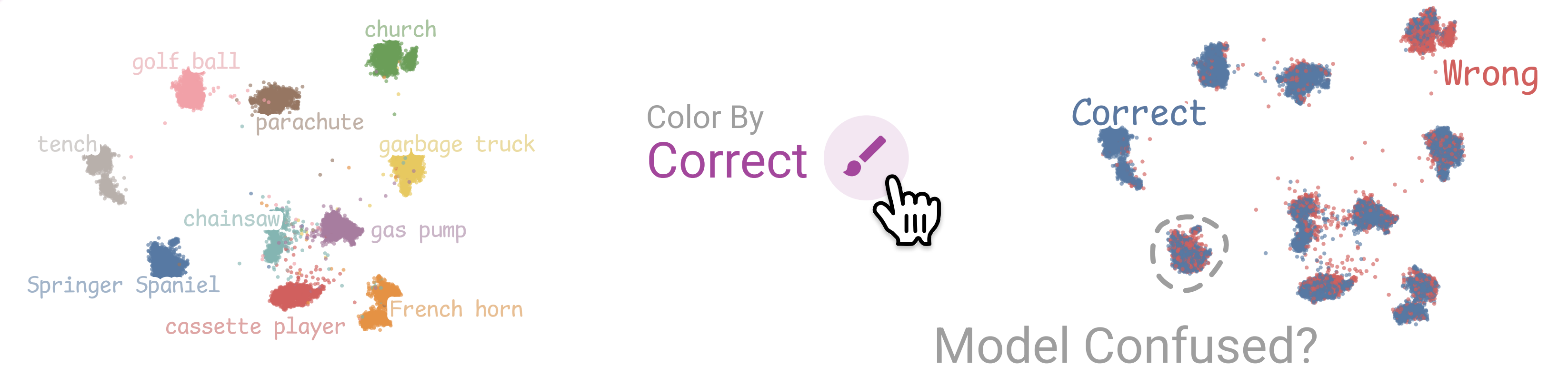
Learned Metadata Create new metadata interpretable to humans, defined by humans.

Interactive Blindspot Discovery

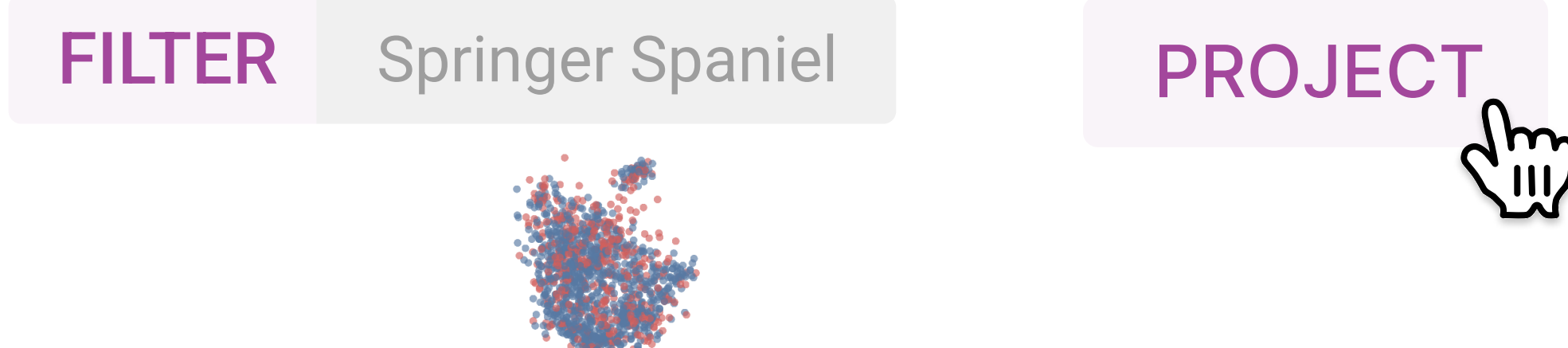
A Project the data and visualize in 2D **PROJECT**



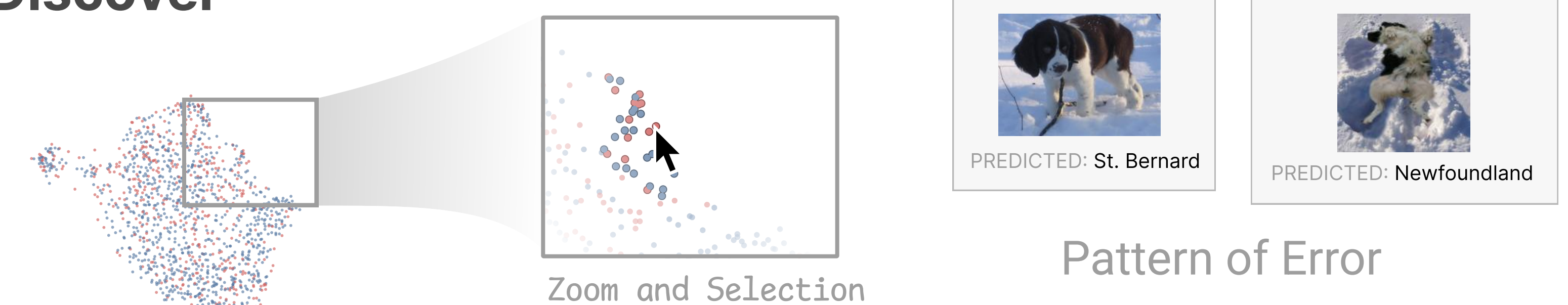
B Create Awareness from metadata and model outputs



C Filter and Project again



D Discover



Learned Metadata

Create new labels meaningful to humans with a **Metadata Learner**.

