Small data and differentiable programming: Questions for discussion

1. Place a dot on the "coordinate system" on the flipchart, indicating where you would mostly locate your current work:

Small data

2. Can you think of examples for "big" and "small" datasets in your discipline or research sub-field?

3. How would you define "small data" as opposed to big data, what characteristics would you take into account?

Differentiable programming

4. What did you find most interesting/cool/surprising about the blogpost?

5. Please identify a statement you didn't understand, or don't agree with from the blogpost!

6. How does the technology behind it work, what are the main ingredients?

7. Can you think of an example for a task or an application where you would use some form of more "black box" data-driven modelling, like deep learning, and/or of a task where you prefer explicit domain knowledge-based modeling?