Data Based Modeling at Scale

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Abstract

In this talk, I will give some experiential perspective on developing and operationalizing data-based geoscience models. I will talk about some of the challenges that I've encountered or seen other operational ML groups encounter with training and deploying models. I'll offer some personal thoughts on the relationship between academia and industry in this space, and hopefully encourage a discussion about how to build bridges between these communities.

This will be a very personal and non-technical talk, with a focus more on prompting a conversation rather than describing any specific research or R2O activity. My experiences come from working with the Flood Forecasting team at Google, and so most of my examples will come from that project, but the goal of this talk will not be a comprehensive description of our flood forecasting work.

References/Recommended reading