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Title:

From the ground up: Data science to agronomic insights

Abstract:

Agriculture is an industry that is ripe with data science challenges. Agriculture faces a grand challenge due to our growing population, the associated increases in food demand, and the fact that this demand will need to be met from a shrinking agricultural footprint in a changing climate. The digitisation of agriculture is helping us meet these challenges. We can access rich spatial and temporal data from many sources, be it from farming equipment, in-ground sensors, or publicly available databases on weather and soil. These sources of information, coupled with observations of crop performance, can be used to design tools to help growers to sustainably increase the productivity of their farming operations. In this talk I'll highlight some of the data-science problems we are working on at Climate, give insight into how we are solving some of these problems, and demo our ClimateView platform to showcase those solutions.