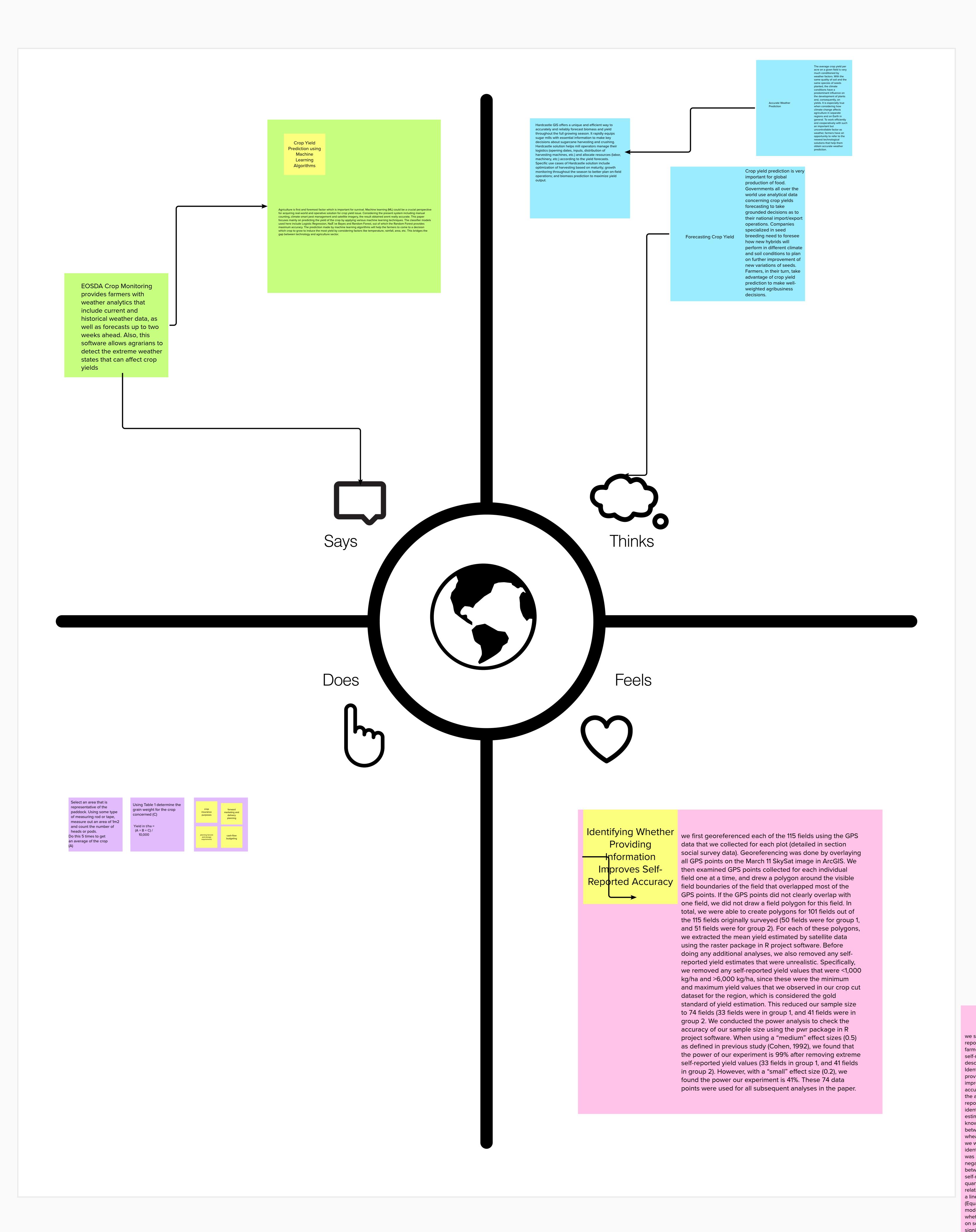


Empathy Map

Dive into the mind of the user for focused product development

Build empathy and keep your focus on the user by putting yourself in their shoes.



Share your feedback

we summarized overall selfreported accuracy across all farmers using our metric of self-reported accuracy described in section Identifying whether providing information improves self-reported accuracy. We also assessed the accuracy of selfreported yield estimates by identifying whether these estimates could capture the known relationship between sowing date and wheat yields. Specifically, we were interested in identifying whether there was a significant and negative relationship between sowing date and self-reported yield. To quantify whether this relationship exists, we used a linear regression model (Equation 3) and assessed model fit using R2 and whether the beta coefficient on sowing date (β1) was significant and negative.

Assessing Self-Reported Accuracy and Its Drivers

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dependent variable.

Self-reported accuracy (kg/ha) $^{\prime\prime}$ Finally, to understant factors may be sign associated with self-accuracy, Yield+β6Fertilizer+ $^{\prime\prime}$ Finally, to understant factors may be sign associated with self-accuracy, multiple linear regressions $^{\prime\prime}$ We were interested with self-accuracy, multiple linear regressions.

Finally, to understand which factors may be significantly associated with self-reported accuracy, we ran a multiple linear regression.

We were interested in identifying which socioeconomic, management, and yield variables may be associated with whether a farmer is more likely to under or over-report yields on his/her field. For this analysis, we used Equation

Self-reported yield (kg/ha) ~

β0+β1sowing date+ε (3) As a comparison, we also

between sowing date and

assessed whether this

known relationship

wheat yield could be

used Equation 3, but

detected using crop cut

estimates of yield for the 64

fields for which we had crop cut data. To do this, we also

replaced self-reported yield

While is opening the