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Soybean Yield Prediction Web App

Enter plant data manually or upload CSV to predict seed yield (g/m²).

About Dataset

The training data was collected from field experiments and agricultural trials. Parameters such as plant height, pods, biomass, sugars, chlorophyll and protein content were measured using standard sensors and lab analysis. Data is from the Kaggle dataset "Advanced Soybean Agricultural Dataset" (2025).

Choose input method:

☐ Manual Input

☒ Upload CSV

Upload CSV



Drag and drop file here

Limit 200MB per file • CSV

Browse files



test_soybean_yield_dataset.csv 220.8KB

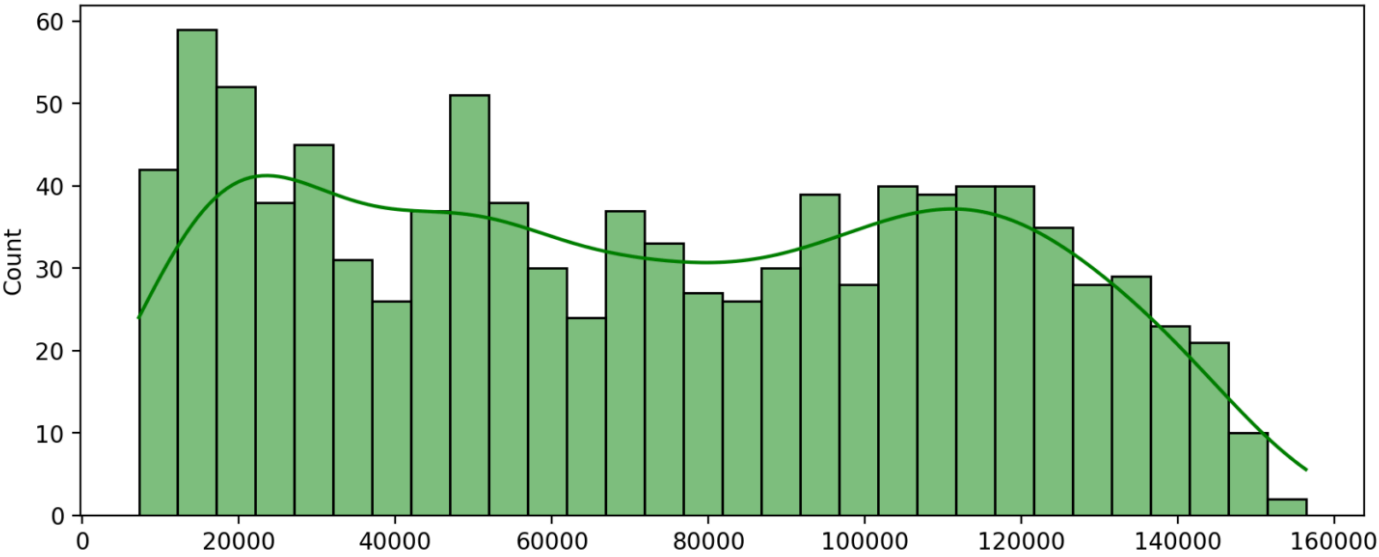


✓ Predictions completed.

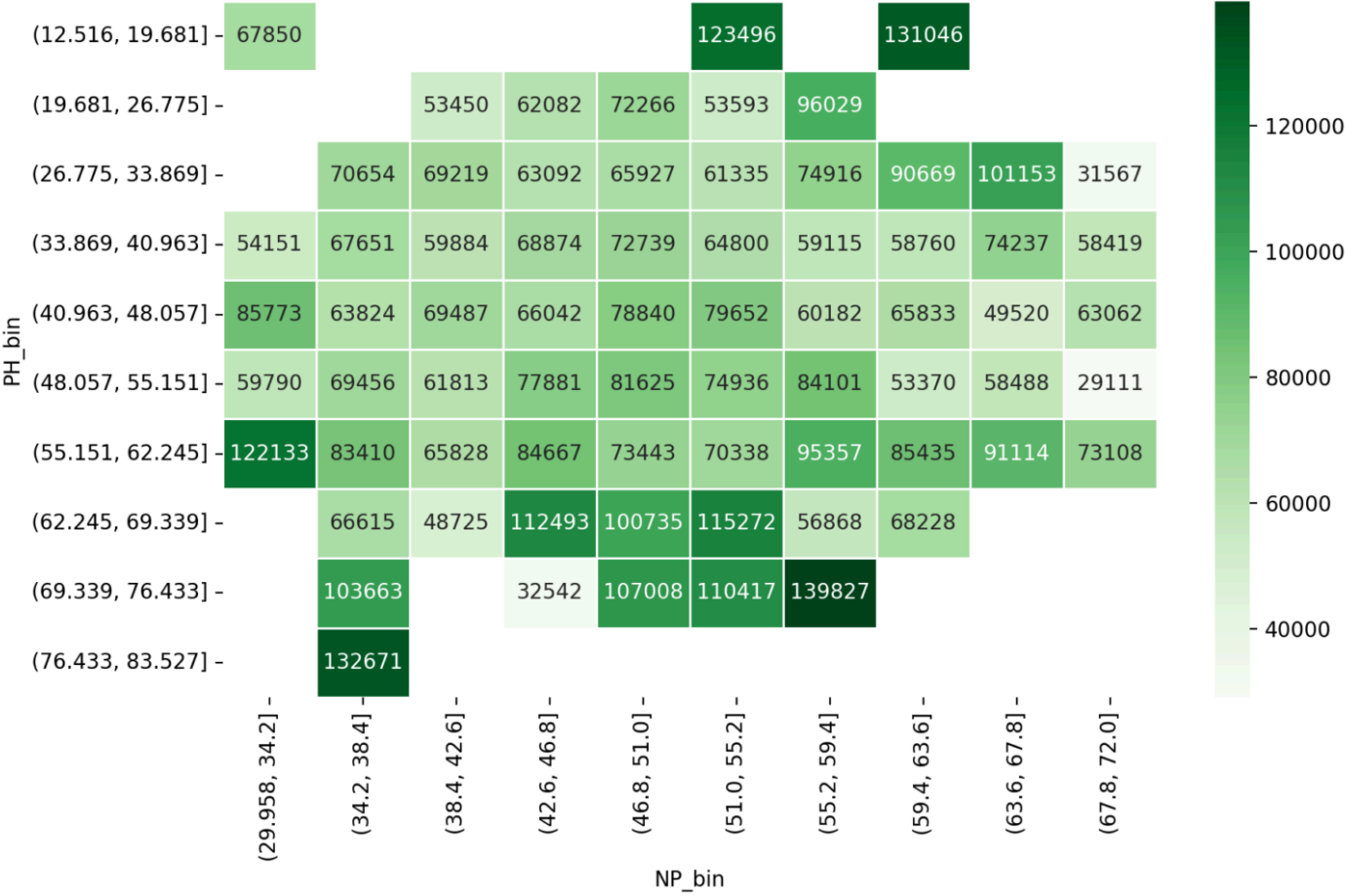
	Plant Height (PH)	Number of Pods (NP)	Biological Weight (BW)	Sugars (Su)	Relative Water Content in L
0	49.9671	42	140.5652	0.5343	
1	43.6174	53	175.4583	0.2944	
2	51.4769	54	114.7331	0.9705	
3	60.2303	55	140.0596	0.7436	
4	42.6585	47	122.942	0.9614	



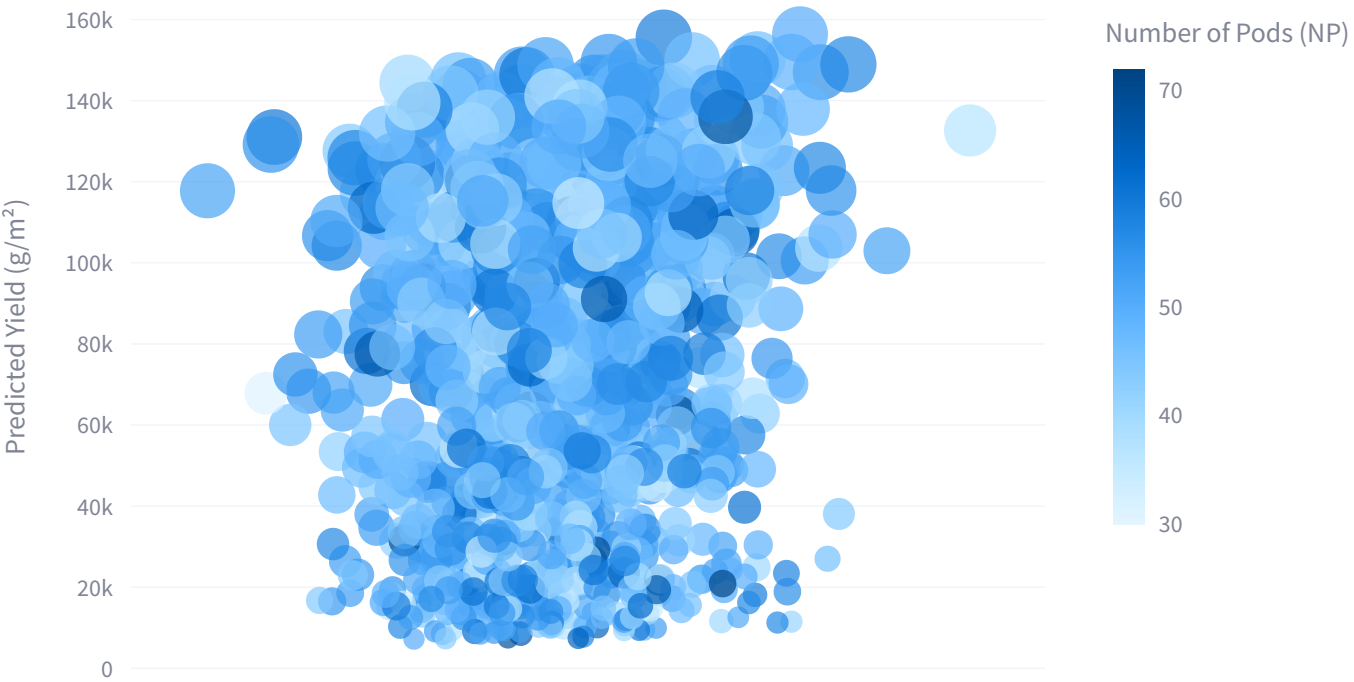
Yield Distribution



Yield Heatmap (PH vs NP)



Interactive Yield Visualization



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Plant Height (PH)