

Team ID	PNT2022TMID53366
Project Name	Estimate the Crop Yield using Data Analytics

```
In [24]: preds = model.predict(y_test[com_fea])
```

```
In [25]: preds
```

```
Out[25]: array([[789.9235      , 12.41108095, 811.97      , ..., 284.2404      ,
                387.795      , 1.05      ]])
```

```
In [26]: test["production"] = preds
```

```
In [27]: test[:10]
```

```
Out[27]:
```

	State_Name	District_Name	Crop_Year	Season	Crop	Area	production
46	Andaman and Nicobar Islands	NICOBARS	2005	Whole Year	Arecanut	795.67	789.923500
51	Andaman and Nicobar Islands	NICOBARS	2005	Whole Year	Dry chillies	17.00	12.411081
623	Andhra Pradesh	ANANTAPUR	2007	Kharif	Moong(Green Gram)	1000.00	811.970000
630	Andhra Pradesh	ANANTAPUR	2007	Rabi	Horse-gram	1000.00	853.186667
698	Andhra Pradesh	ANANTAPUR	2009	Rabi	Rapeseed &Mustard	8.00	5.056844
723	Andhra Pradesh	ANANTAPUR	2010	Kharif	Other Kharif pulses	1.00	15.340989
1153	Andhra Pradesh	CHITTOOR	2001	Rabi	Wheat	4.00	2.768333
1317	Andhra Pradesh	CHITTOOR	2004	Rabi	Wheat	2.00	1.922444
1419	Andhra Pradesh	CHITTOOR	2007	Kharif	Moong(Green Gram)	1000.00	811.970000
1423	Andhra Pradesh	CHITTOOR	2007	Kharif	Small millets	1000.00	833.060000