DataRobot Location AI

Where Predictions Count
DataRobot Location AI. Where Predictions Count

Upload your geospatial data in a variety of file formats and well known types

Combine location with numeric, categorical, date, text, and image feature types

Automates specialized spatial feature engineering on your location data

Visualize model accuracy over space to explain where your predictions work best

Add the Power of Spatial Awareness to Your Machine Learning Models
DataRobot accepts a variety of geospatial file formats, including:

- ESRI Shapefiles
- GeoJSON
- PostGIS tables
- ESRI Geodatabase

Location AI also automatically recognizes well known spatial types like lat/long, lines and polygons in your tabular data.
Location AI. Explore Your Dataset by Location

Location AI provides interactive map visualizations that allow you to explore the distribution of your dataset feature values over space.
## Location AI. Blend Diverse Feature Types Together

DataRobot allows you to mix location features with numerical, categorical, text, and image features in the same dataset.
Location AI. Automated Spatial Feature Engineering

Location AI automatically recognizes geospatial features and derives new features from them, to help improve model accuracy. For example:

- Centroid
- Minimum Bounding Rectangle Area
- Area
- Length
Automated Spatial Feature Engineering

Spatial aware blueprints leverage 'Neighborhood Featurizers' use to derive the Nearest Neighbors between observations in your dataset.
Location AI. **Spatial Model Explainability**

‘Accuracy Over Space’ visualizations help explain model accuracy by location. Information can be displayed as points, heatmaps and shapes.

Familiar explainability charts help show the importance, fit and accuracy of your geospatial features in the model.
Questions & Answers
DataRobot Community

- **Engage, learn, and accelerate** your AI/ML journey
- **Connect** with peers to find solutions to AI challenges
- **Explore** helpful content to take your AI to the next level
- **Build** your brand as an AI expert & thought leader
- **Join** your peers today at [community.datarobot.com](https://community.datarobot.com)

**Questions:** aisuccess-webinars@datarobot.com

---

- **DataRobot Platform**
  - Unleash the full power and potential of AI in your company with the DataRobot Platform. Connect, share, and conquer.
  - [143 posts](#) 4 hours ago

- **Learning Center**
  - Get started on your AI journey using DataRobot Platform. Learn about AI and ML, and how to use the DataRobot platform to achieve success.
  - [64 posts](#) Monday

- **AI & ML General**
  - Get beyond the buzz words. Get in tune with DataRobot people and processes as well as technologies of the AI and ML industry.
  - [199 posts](#) 3 hours ago

- **About Community**
  - Get the latest DataRobot Community news, updates, and resources to make the most out of your time here.
  - [18 posts](#) a week ago

---

**Latest Topics**

- **Challenge of Predicting Time**
  - by [Marinoff](#) AI & ML General Discussion 3 hours ago
  - [2] [1]

- **Unsupervised Learning with no Target**
  - by [osparks](#) Automated Machine Learning Discussions 6 hours ago
  - [0] [2]

- **Multilabel dataset in Regression**
  - by [osparks](#) Automated Machine Learning Discussions 6 hours ago
  - [0] [1]

- **US Cloud—Planned DB Maintenance (March 14th—March 15th)**
  - by [Anjali](#) AI & ML General Discussion 5 hours ago
  - [1] [1]

- **Can DR Indicate Trends in my Data**
  - by [Alex](#) Automated Machine Learning Discussions 6 hours ago
  - [1] [4]

- **Academic License**
  - by [Andrea](#) AI & ML General Discussion 6 hours ago
  - [0] [3]

- **Predictive Maintenance (of NASA turbines) using DataRobot**
  - by [alex11](#) AI & ML Knowledge Base 6 hours ago
  - [2] [0]

- **Europa User’s Guide**
  - by [DnF0](#) Europa Tuesday
  - [1] [1]

- **Student/Academic License For Europa**
  - by [Systemshrink](#) Automated Machine Learning Discussions Tuesday
  - [0] [3]

- **Webinar March 10: Model Building—Autopilot Done, Now What?**
  - by [DnF0](#) Europa Tuesday
  - [1] [1]