Jedha

getaround

Discover the new way to rent a car

getaround

Business Challenge & Product Objectives

❖ Getaround's Challenge 🚗 🚙

When a car is returned **late**, it directly **affects the next rental**.

The next driver may have to wait, report the issue, or cancel — which hurts **customer satisfaction** and **platform reliability**.

❖ Goal of the analysis ⏳

Help Product Managers decide:

1. What **minimum buffer time** should be enforced between two rentals
2. Whether this rule should apply to **all cars or only Connect cars**

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Machine Learning Model & API Deployment

❖ Machine Learning Model - Random Forest 🌳🌳🌳

- **Predicts daily rental price** from car characteristics
- **13** raw features → **55** encoded features
- Tracked and validated with **MLflow**

❖ API Deployment on Hugging Face 🤗

- FastAPI endpoint **POST /predict** returning price predictions
- Includes `/docs` + `/swagger` for testing
- Containerized using **Docker** for reproducibility

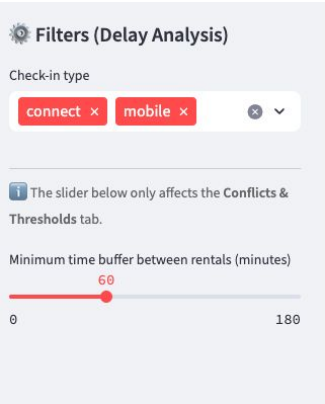
❖ Workflow Overview 📦

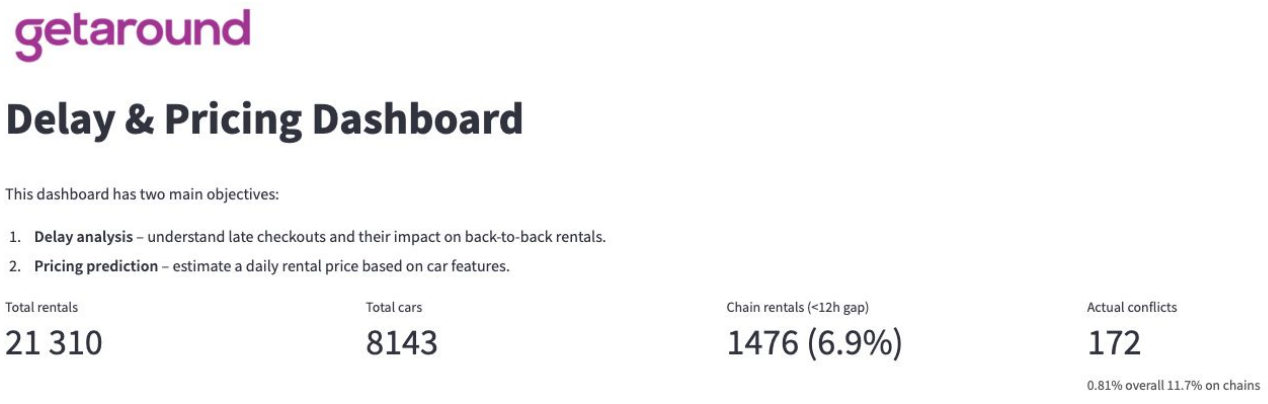
Model training → MLflow tracking → joblib model → FastAPI → Docker → Hugging Face

Live Demo – Exploring the Getaround Dashboard

The dashboard deployed on Hugging Face allows Product Managers to **explore delays**, **conflicts**, **minimum buffer time** and **pricing predictions** from the machine learning model.

🔗 **App URL:** https://andreea73-getaround-delay-pricing-dashboard.hf.space/





Thank you for your attention
– any questions?