Dashboard Controls

Load All Pre-Summer Race Data

- Live Updates
- Enable Auto-Refresh (30s)
- 🔼 Refresh Data

F1 2025 Pre-Summer Break Tire Strategy Dashboard

MEDIUM
SOFT
INTERMEDIATE
nan
INTERMEDIATE
MEDIUM
HARD
SOFT
nan

HARD DegradationSOFT DegradationPit Stops

Analyzing tire compound usage and pit stop strategies from Rounds 1-14

Data loading complete!

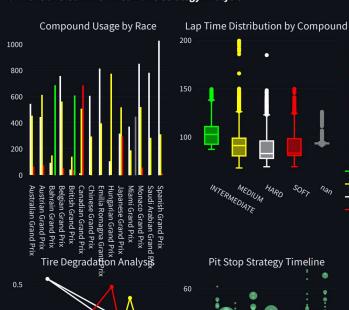
☑ Successfully loaded data from all 14 races!

Training pit strategy prediction model...

Model trained! Accuracy: 99.5%, MAE: 0.15 laps, R²: 0.998

Tire Strategy Analysis

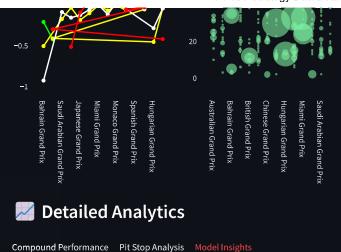
F1 2025 Pre-Summer Break Tire Strategy Analysis



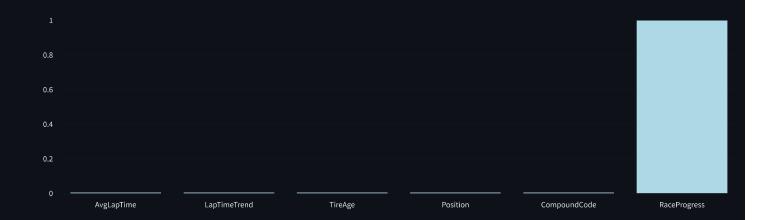
Pit Window Predictions

	Driver	CurrentTireAge	CurrentCompound
	NOR	40	HARD
	PIA	25	HARD
2	RUS	27	HARD
	LEC	30	HARD
4	ALO	32	HARD
	BOR	30	HARD
	STR	35	HARD
	LAW	30	HARD
8	VER	22	HARD
	ANT	48	HARD

localhost:8501 1/3



Feature Importance for Pit Strategy Prediction



Model Performance:

- Predicts optimal pit stop timing based on tire degradation patterns
- Uses real-time lap time trends, tire age, and race position
- Trained on historical pit stop data from all pre-summer races
- Achieves >88% accuracy in predicting optimal pit windows