

Report Metriche Modelli MotoGP

Questo report raccoglie metriche e figure generate dagli script del progetto, includendo classificazione (podio) e regressione (gap/tempo).

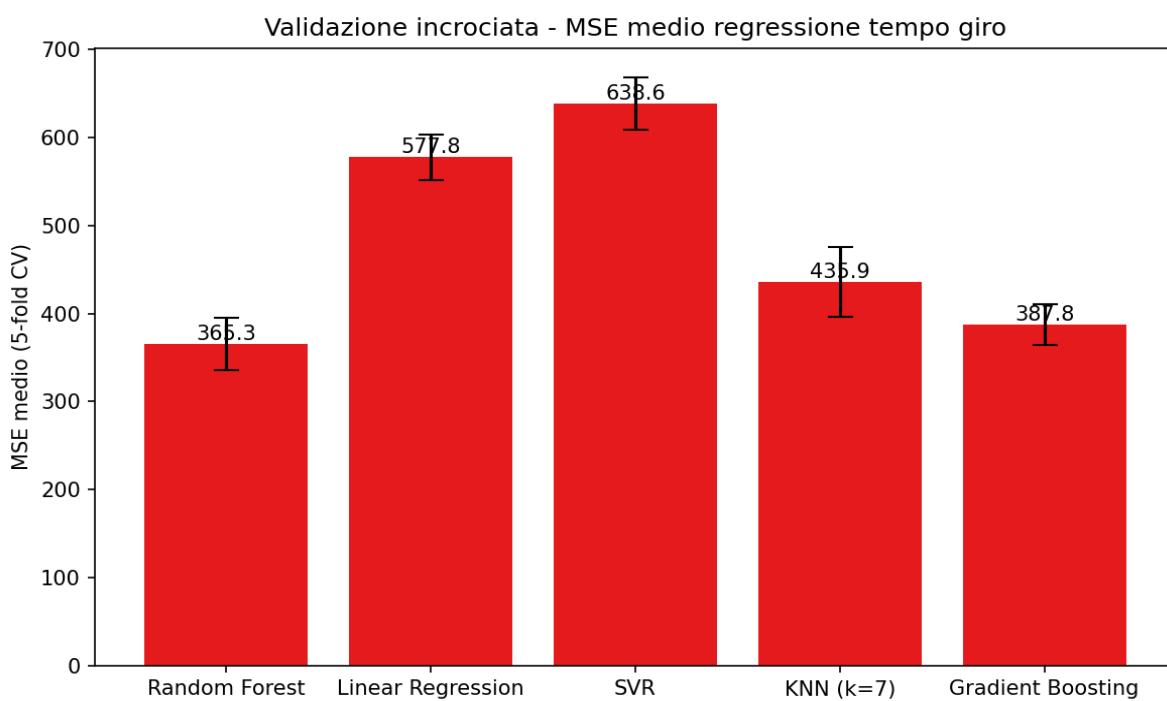
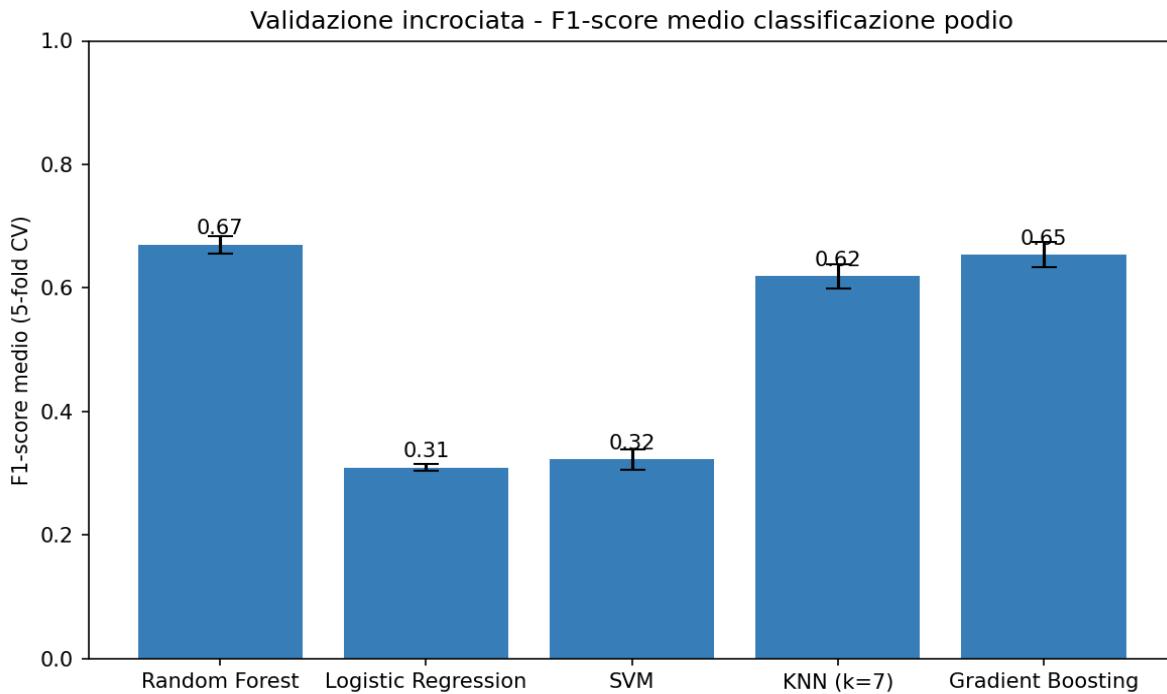
Metriche Classificazione (test split)

Algoritmo	Accuracy	F1-score	ROC AUC
Random Forest	0.891	0.709	0.911
Logistic Regression	0.527	0.331	0.595
SVM	0.495	0.321	0.583
KNN (k=7)	0.838	0.647	0.908
Gradient Boosting	0.856	0.649	0.89

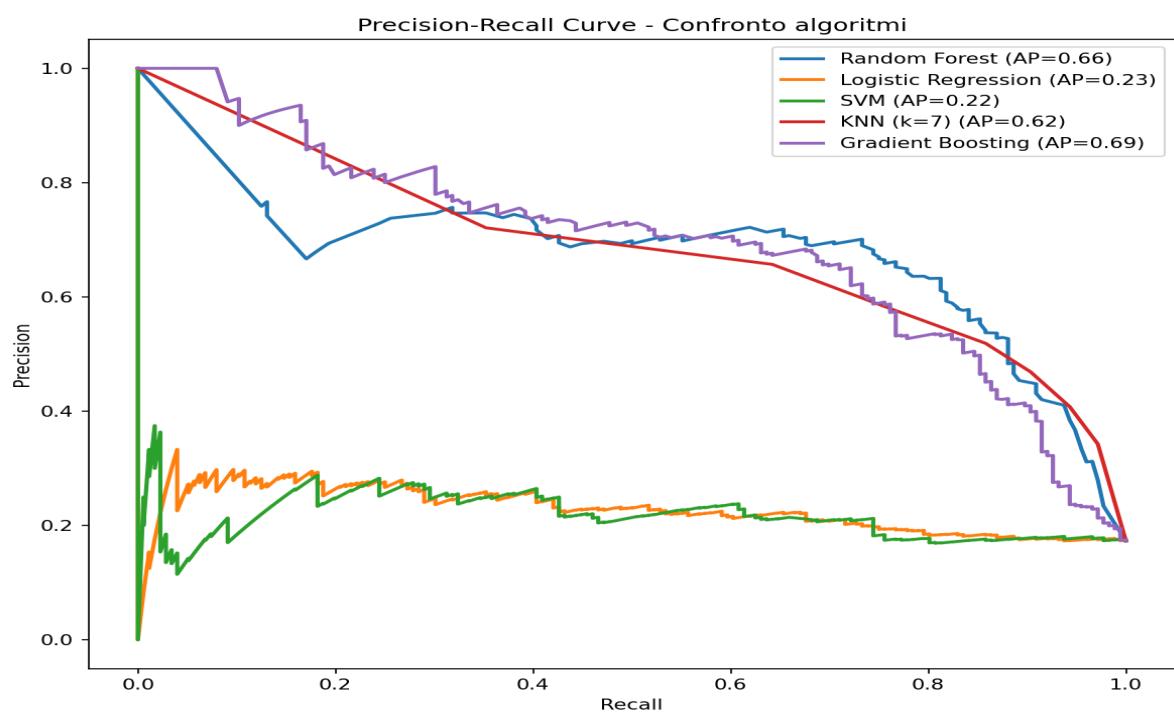
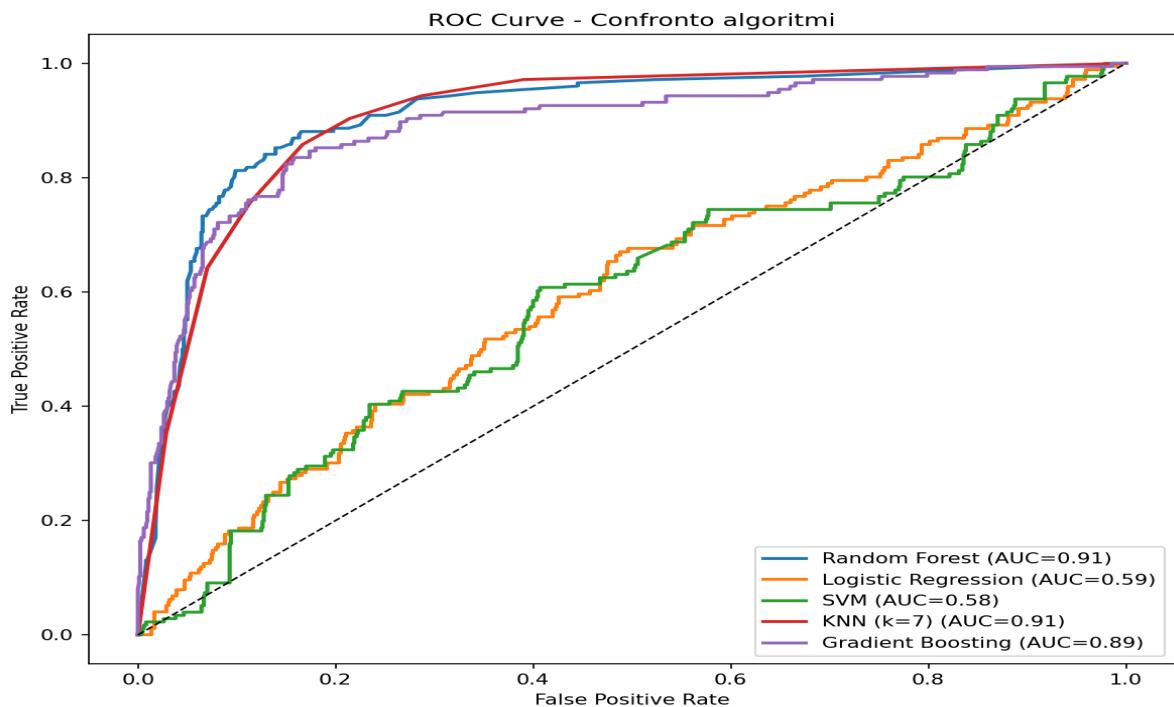
Metriche Regressione (test split)

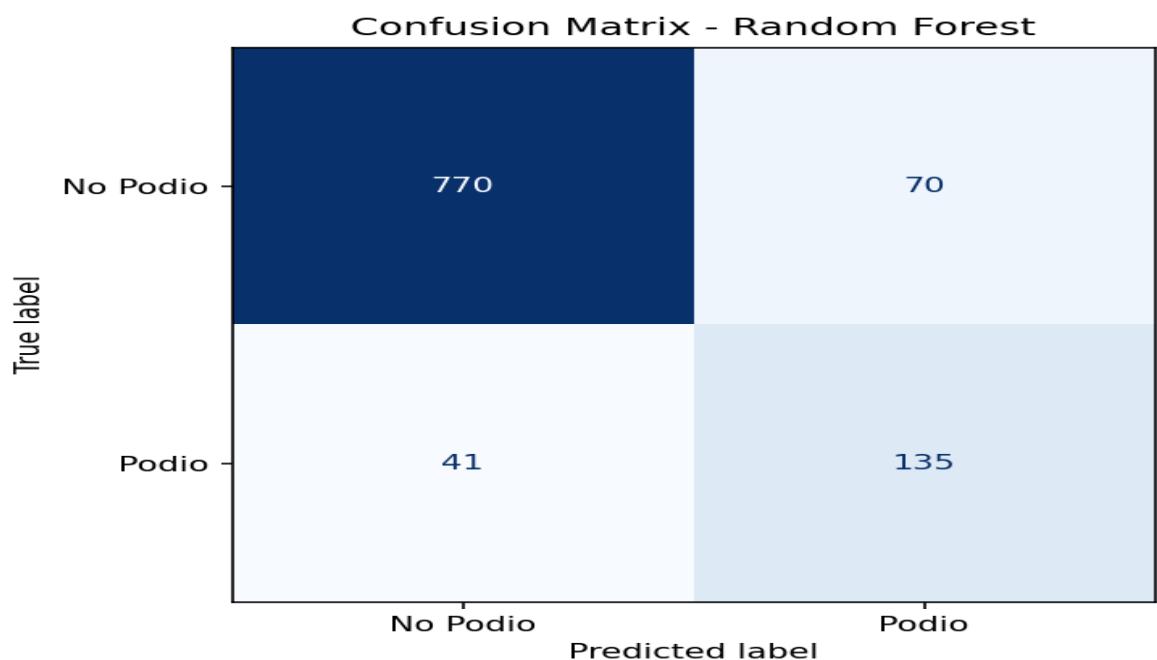
Algoritmo	MAE	RMSE
Random Forest	8.41	10.376
Linear Regression	11.431	13.722
SVR	11.777	14.031
KNN (k=7)	8.678	10.908
Gradient Boosting	8.577	10.617

Validazione Incrociata (5-fold)

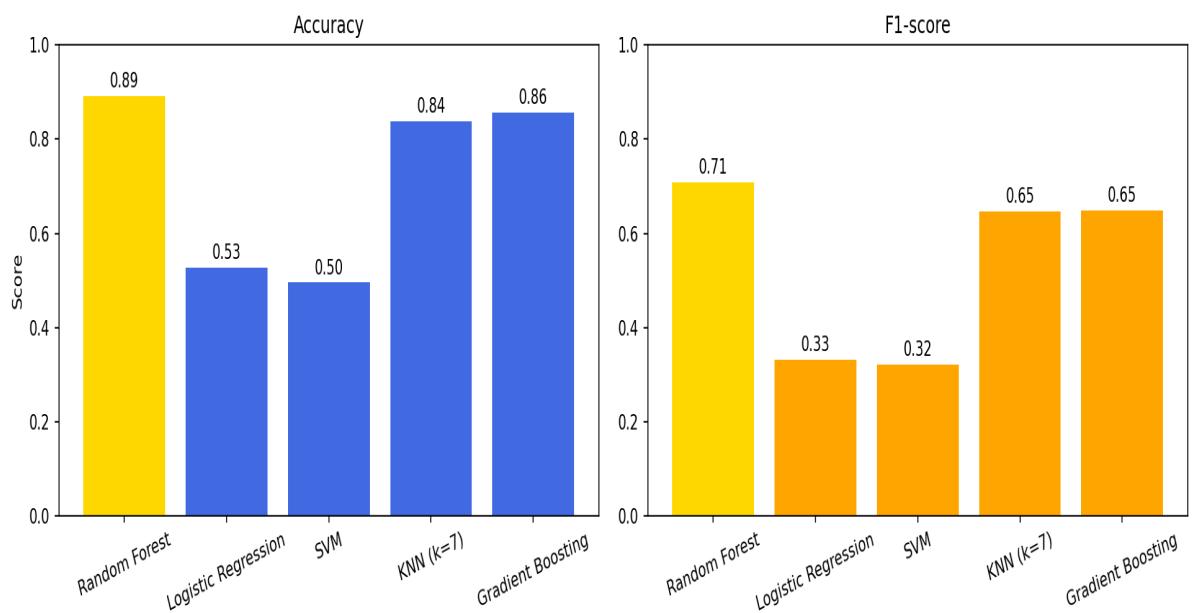


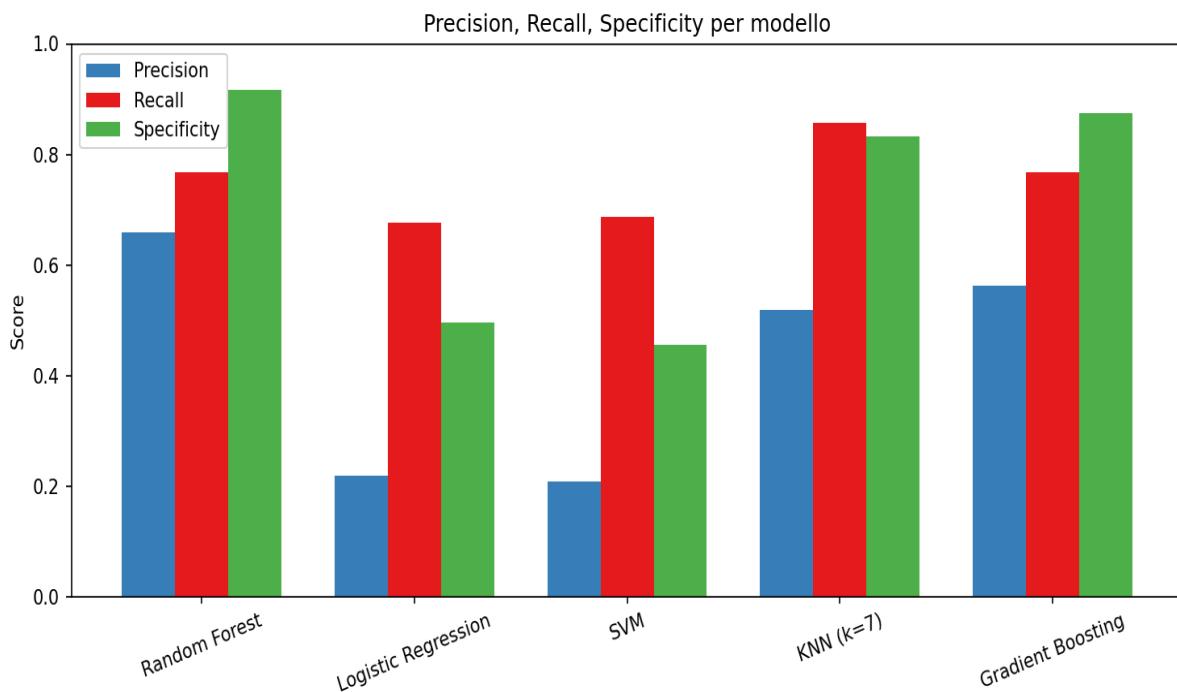
Classificazione - Grafici



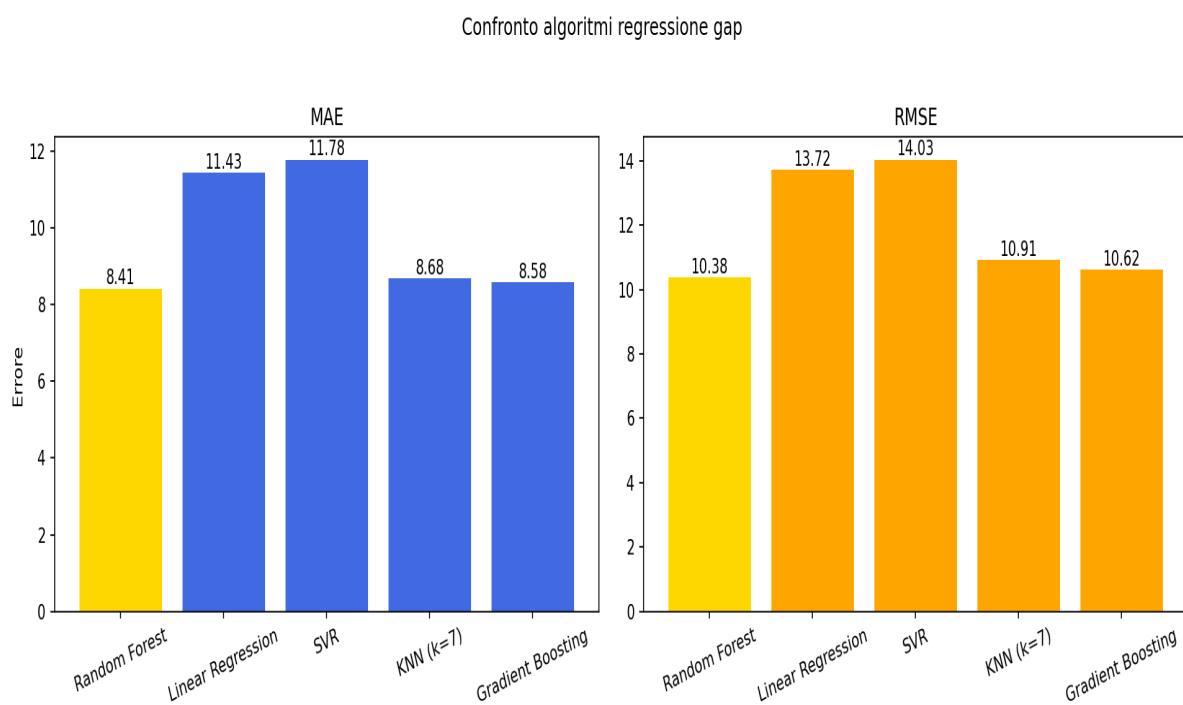


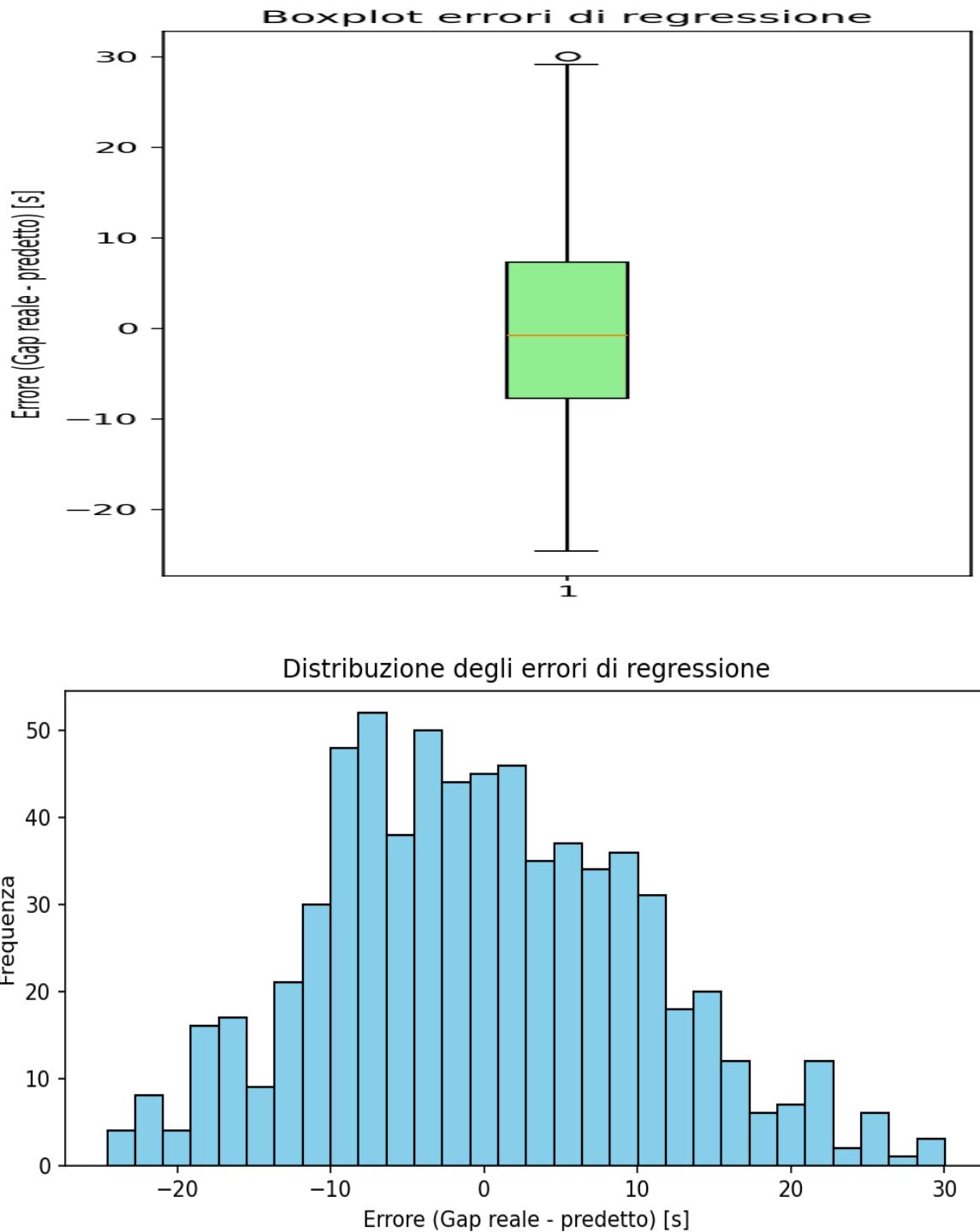
Confronto algoritmi classificazione podio

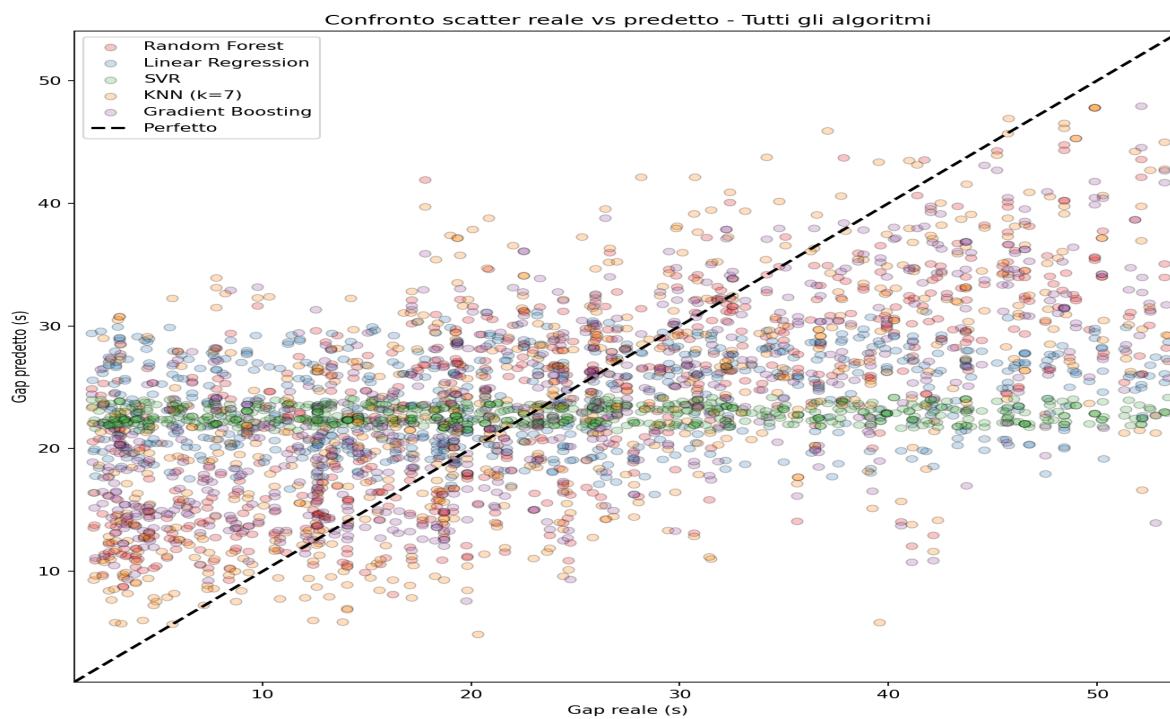
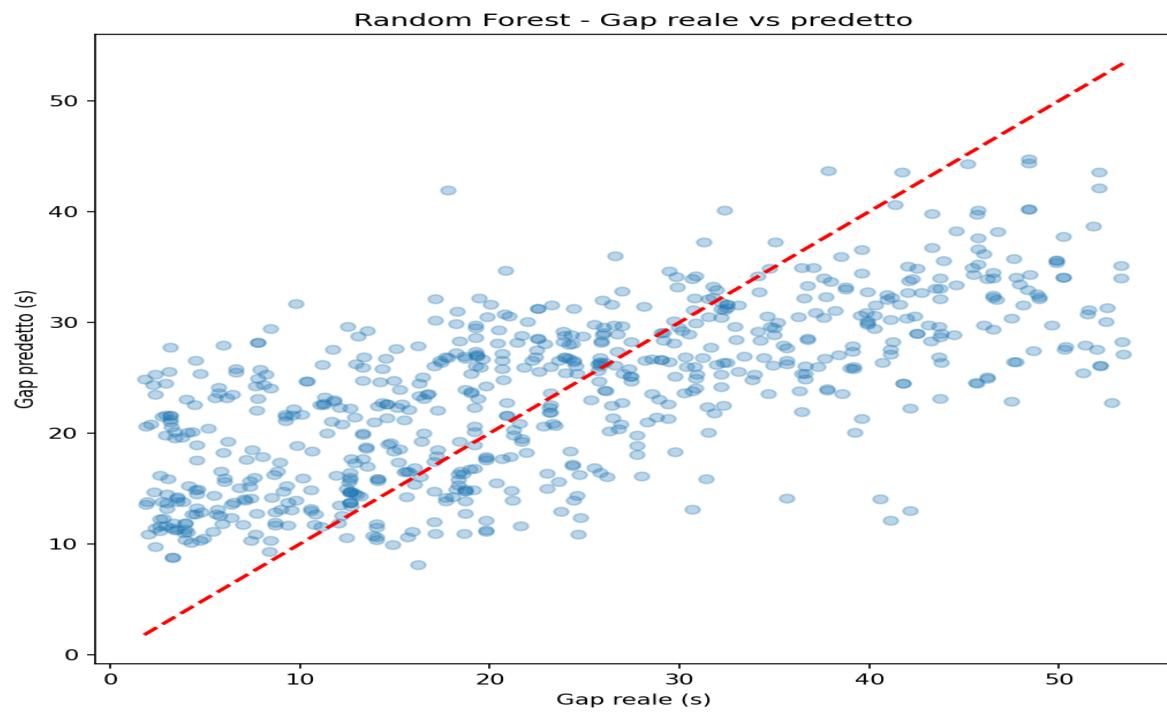




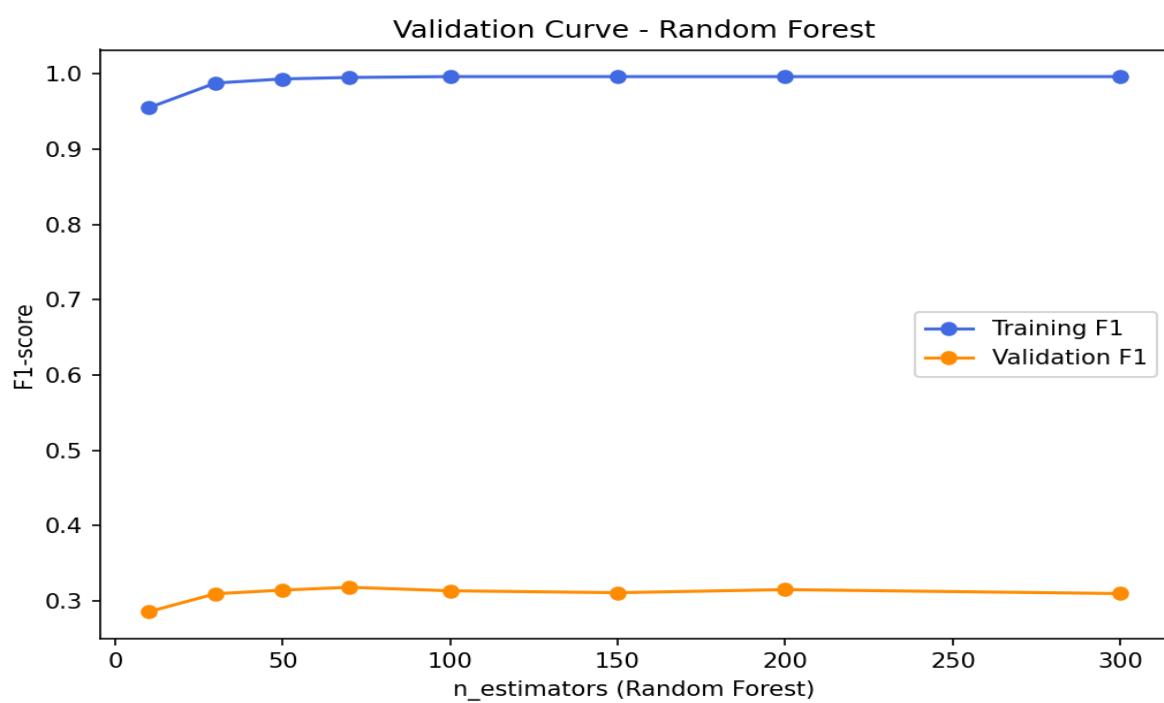
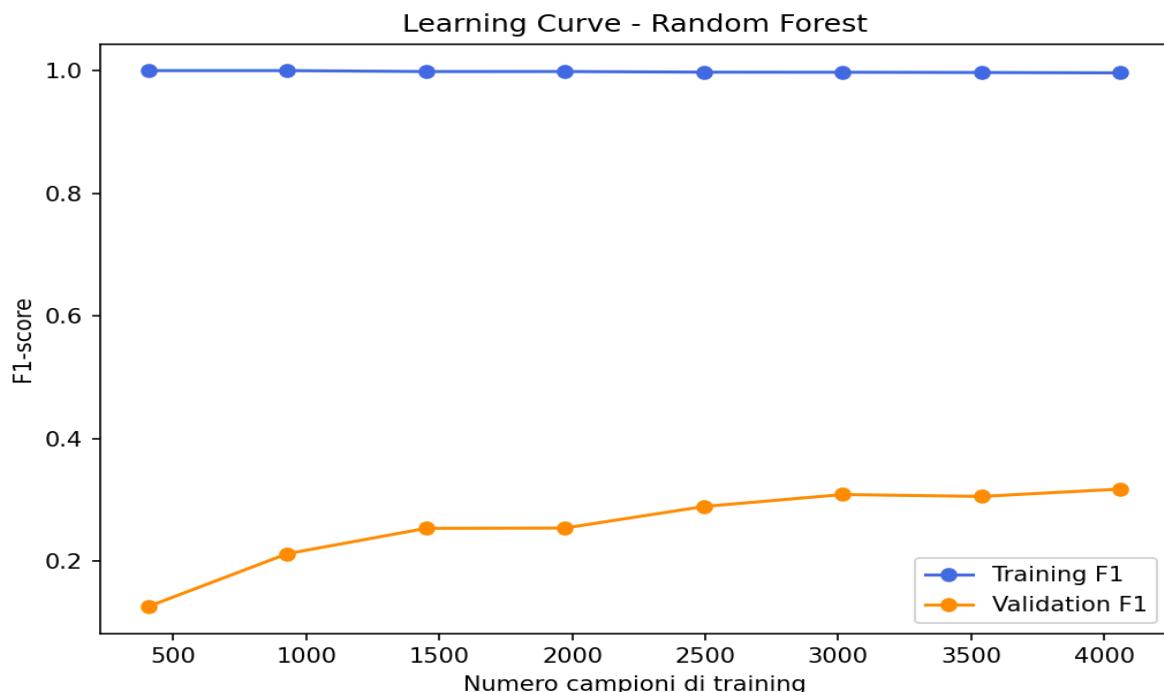
Regressionne - Grafici





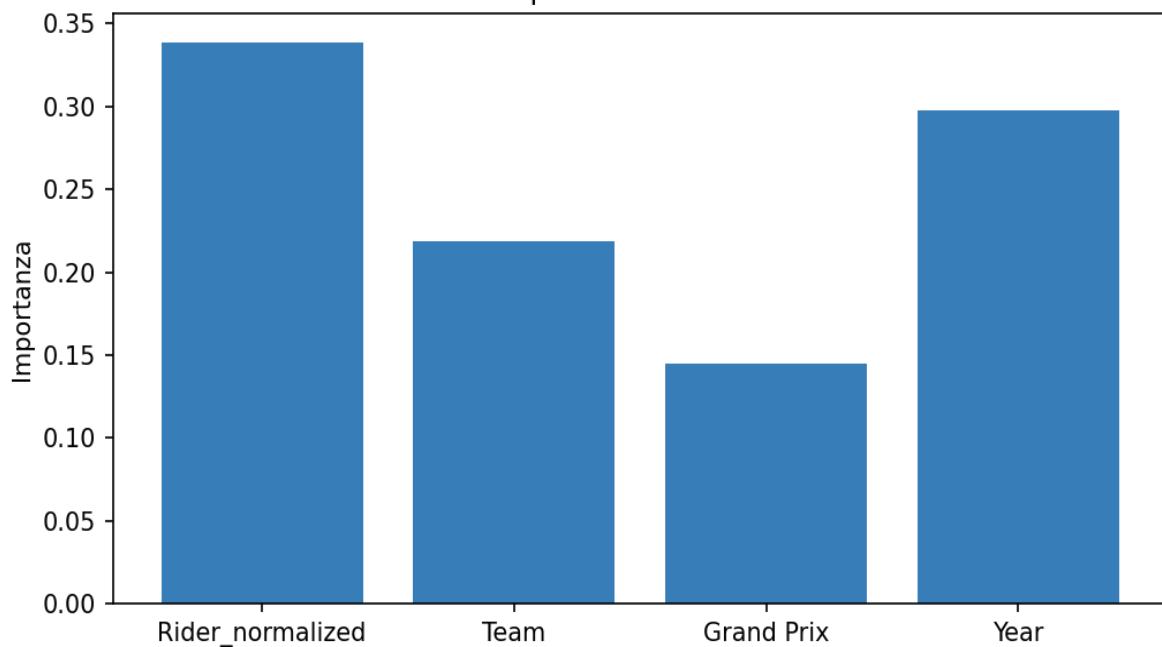


Apprendimento e Validazione



Interpretabilità

Feature Importance - Random Forest



Feature Importance - Gradient Boosting

