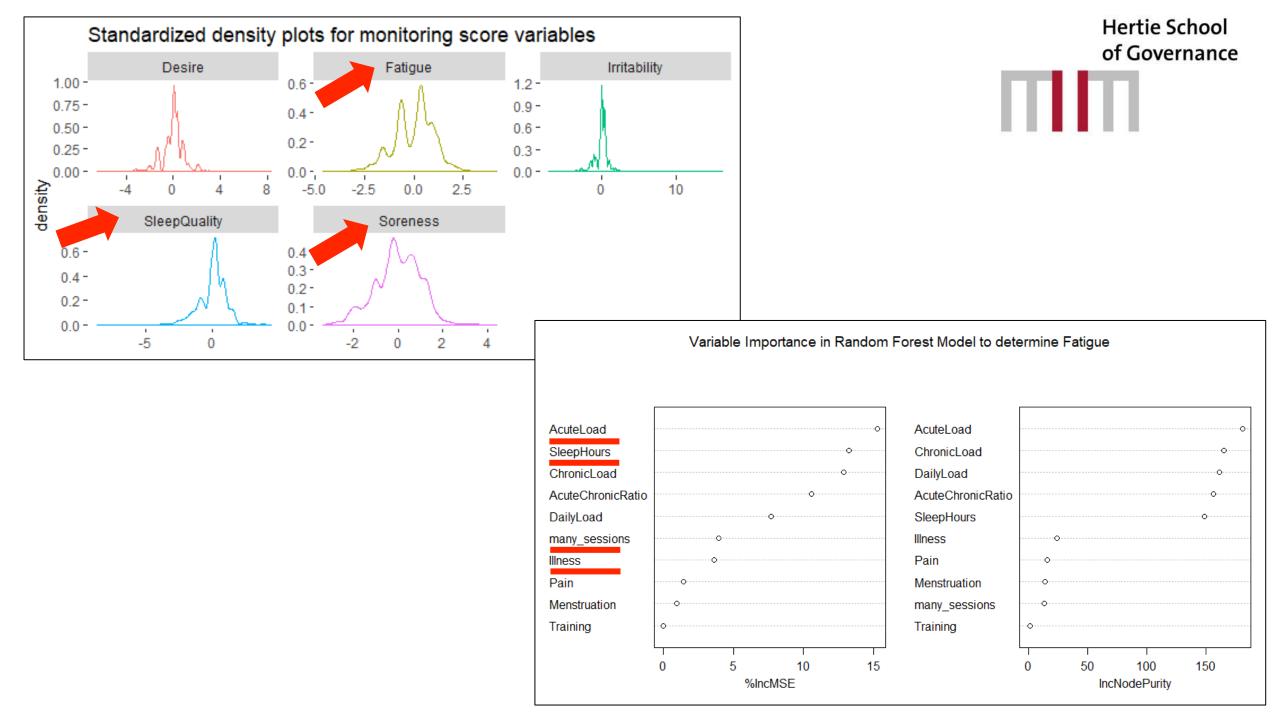
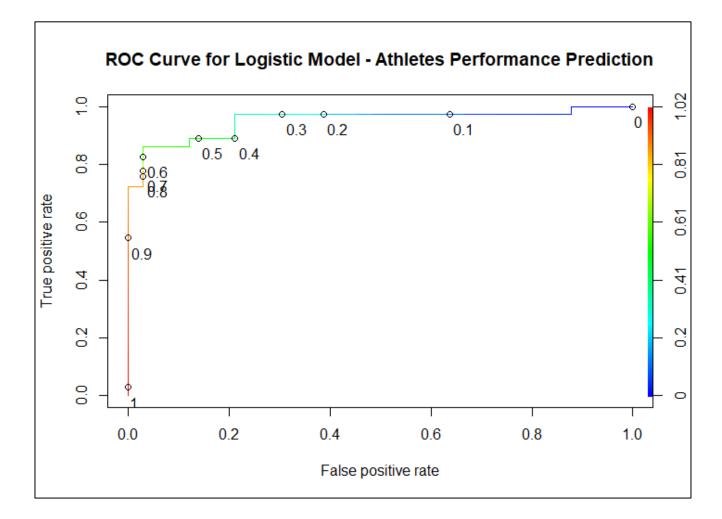
What do Weekly Training Load and Weather Conditions Have in Common?

Insights for a Better Measure of Fatigue and its Impact on Athlete Performance





Assessing the impact of Fatigue on athlete performance controlling for weather conditions



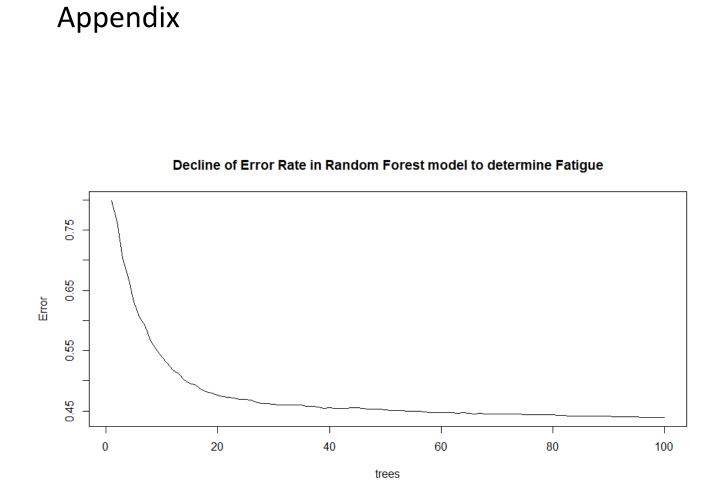
Accuracy: 91.3 % of correctly predicting athlete performance AUC: 0.95

Athlete performance was measured with a Performance Index combining self-reported perception of performance and the actual outcome of games









	Dependent variable. performance
many_sessions1	-0.718
	(1.171)
AcuteLoad	1.329**
	(0.620)
SleepHours	-0.330
	(0.313)
Humidity	0.032
	(0.058)
Sea.Level	-0.018
	(0.039)
IllnessSlightly Off	-13.740
	(3,500.814)
Team.Rating	0.376
	(0.331)
Weather.ConditionsPartly Sunny	2.200
	(1.527)
Weather.ConditionsPassing Clouds	1.898
	(1.715)
Weather.ConditionsShowers	5.664*
	(3.148)
Weather.ConditionsSunny	3.572*
	(1.919)
Weather.ConditionsWarm	-14.578
	(2,170.512)
Temperature	0.548
	(0.506)
Wind.Speed	-0.248
	(0.299)
Constant	-13.381
	(9.932)
Observations	81
Log Likelihood	-31.014
Akaike Inf. Crit.	92.028



Temperature



Map based on Longitude (generated) and Latitude (generated). Color shows Temperature as an attribute. Size shows distinct count of Game ID. Shape shows details about Outcome. The marks are labeled by Tournament.x. The view is filtered on Longitude (generated), which keeps non-Null values only.