Fraction of learners present in time under lesson time Per course 1.00 -0.75 description Awk Day 1 classic Awk Day 2 total 0.50 -**HPC Python Umeaa** Intro to UPPMAX Day 1 Intro to UPPMAX Day 2 Intro to UPPMAX Day 3 0.25 -0.00 -0.25

0.75

1.00

f_total = n_learners / max(learners_of_that_day) f_time = relative time of the day (0.0 = start, 1.0 = end)Trendline is Loess smoothing of all data. Some dips can be explained by breaks

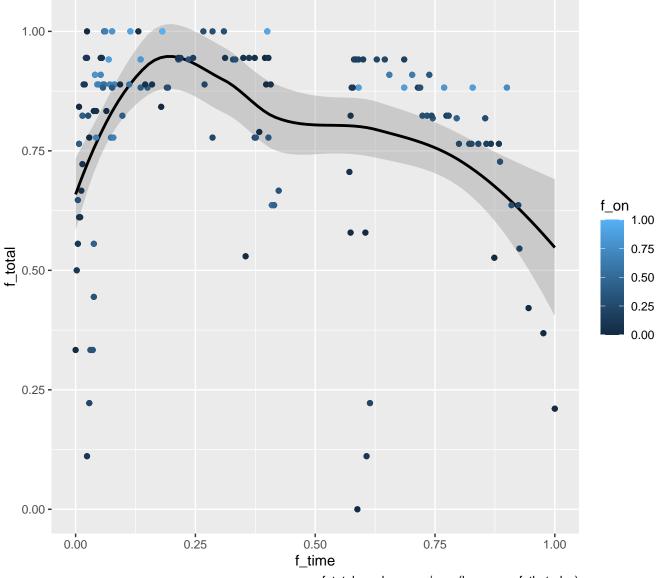
0.50

f_time

0.00

Fraction of learners present in time under lesson time

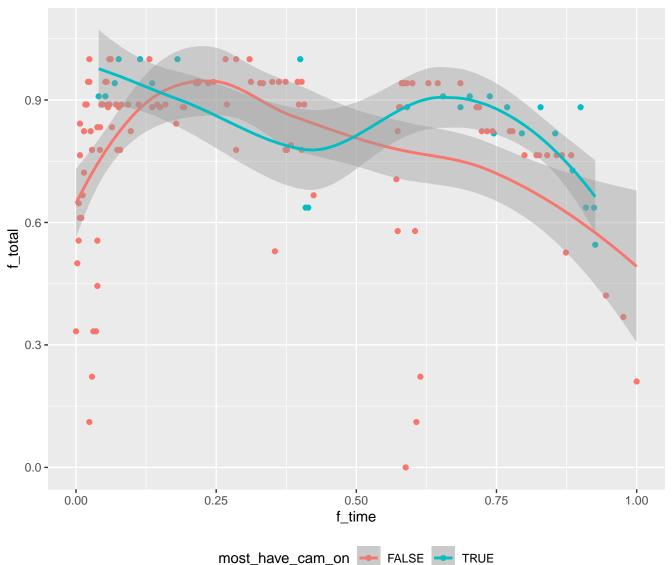
For the fraction of learners that have the camera on



 $f_total = n_learners / max(learners_of_that_day) \\ f_time = relative time of the day (0.0 = start, 1.0 = end) \\ Trendline is Loess smoothing of all data. Some dips can be explained by breaks$

Fraction of learners present in time under lesson time

For if half of the learners have camera on



f_total = n_learners / max(learners_of_that_day)

f_time = relative time of the day (0.0 = start, 1.0 = end)
Trendline is Loess smoothing of all data. Some dips can be explained by breaks