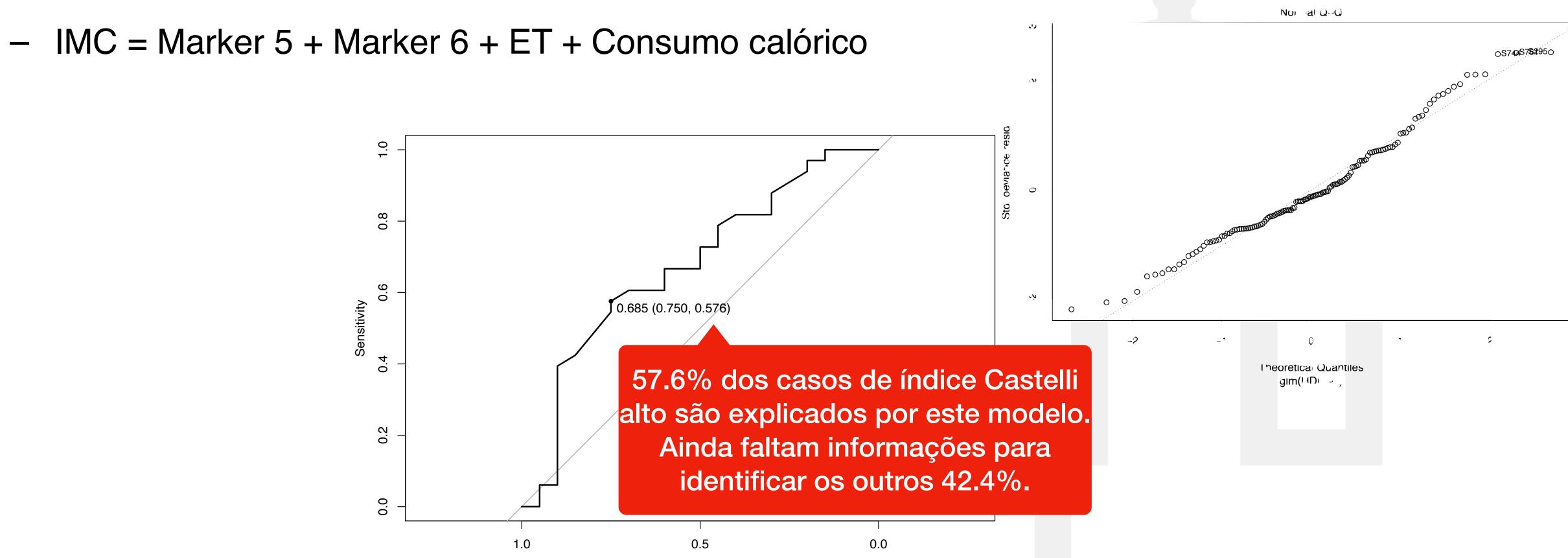
## Construindo os modelos



- Construir uma equação capaz de predizer um destino.
- Booleano ou Quantitativo
  - Índice Castelli Alto = Marker 1 + Marker 2 + ET + Colina + Exercício + Testosterona
  - HDL = Marker 3 + Marker 4 + ET + Colina + Método de Nascimento + Uso de fumo



Specificity

## Performance de atletas



## LETTERS https://doi.org/10.1038/s41591-019-0485-4

Meta-omics analysis of elite athletes identifies a performance-enhancing microbe that functions via lactate metabolism

 $Model_1 < -lme(Veillonella \sim time + sex + weight + BMI + age + race \\ + menstruation + vegetables + fruits + grains + protein + dairy + dietary_protein_supp, random = ~1 | subjectID, data = marathon 16S)$ 

