

DATA11002 Introduction to Machine Learning

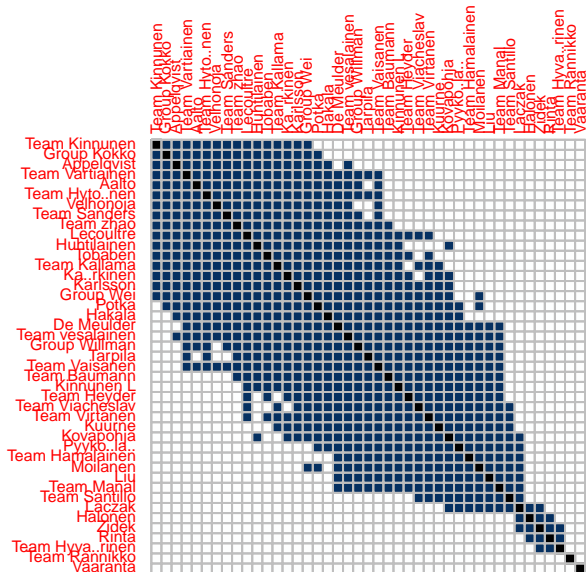
Kai Puolamäki

11 December 2020

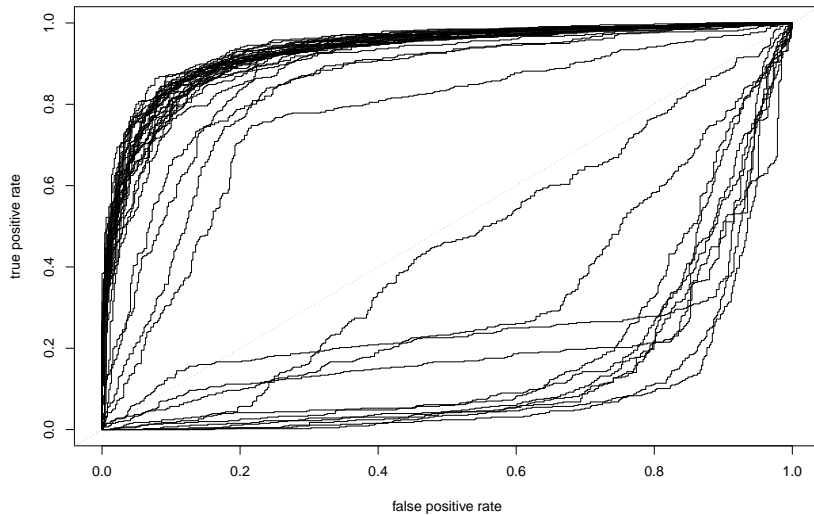
Term project challenge winners

- ▶ **Binary classification accuracy** (main category): Winner: Team Kinnunen (0.880829). Runner-ups: Group Kokko (0.8787565) and Appelqvist (0.8766839).
- ▶ **Accuracy of accuracy**: Winner: Kärkinen (2.8497409×10^{-4}). Runner-ups: Team Kinnunen (6.7281554×10^{-4}) and Team Baumann (0.0012998).
- ▶ **Perplexity**: Winner: Team Sanders (1.3422139). Runner-ups: Aalto (1.3613112) and Team Kallama (1.3702611).
- ▶ **Multiclass classification accuracy**: Winner: Group Kokko (0.6943005). Runner-ups: Aalto (0.6860104) and Velhonoja (0.6839378).

McNemar's test ($p = 0.05$)



ROC curves



Programme

- ▶ 10:15 Opening
- ▶ 10:20 Olli-Pekka Kinnunen (Team Kinnunen)
- ▶ 10:35 Julia Sanders & Mikko Saukkoriipi & Bernardo Williams Moreno (Team Sanders)
- ▶ 10:50 Joni Kokko (Group Kokko)
- ▶ 11:05 Toni Aalto & Juhani Kivimäki & Kari Ojala (Aalto)
- ▶ 11:20 Lauri Appelqvist (Appelqvist)
- ▶ 12:00 (at latest) End of lecture