computational social media

reading session:
logistics + assignments

daniel gatica-perez

28.02.2020
reading session logistics

role 1: presenter
read paper in depth & prepare slides: 10-15-min presentation
points to present: (1) what problem is addressed? (2) what are the contributions? (3) what is the technical approach? (4) what are the main findings?

role 2: discussant
read paper in depth & prepare questions to lead the discussion
possible points for discussion: (1) how to improve the technical work? (2) what implications do the ideas have in computer science? (3) what implications do the ideas have in society? (4) are there any controversial issues? (5) what are the limitations?

role 3: scribe
take notes of the group discussion & write up summary (1 page max)

role 4: everyone else
read paper abstract and intro before class
participate in the discussion
1. M. Burke, L. Adamic, K. Marciniak
   Families on Facebook
   Proc. AAAI ICWSM, 2013

2. M. Kosinski, D. Stillwell, T. Graepel
   Private traits and attributes are predictable from digital records of human behavior
   PNAS, 2013

3. S. Vosoughi, D. Roy, S. Aral
   The spread of true and false news online,
   Science, 359, Mar. 2018

4. Z. Tufekci
   Big Questions for Social Media Big Data: Representativeness, Validity and Other Methodological Pitfalls
   Proc. AAAI ICWSM 2014

5. A. G. Reece and C. M. Danforth
   Instagram photos reveal predictive markers of depression
   EPJ Data Science, 2017
Using deep learning and Google Street View to estimate the demographic makeup of neighborhoods across the United States
PNAS, 2017

7. M. Redi, N. O Hare, R. Schifanella, M. Trevisiol, A. Jaimes
6 Seconds of Sound and Vision: Creativity in Micro-Videos
Proc. CVPR 2014

8. T. Bolukbasi, K.-W. Chang, J, Zou, V. Saligrama, and A Kalai,
Man is to Computer Programmer as Woman is to Homemaker? Debiasing Word Embeddings.
Proc. NIPS 2016

9. S. Corbett-Davies, S. Goel
The Measure and Mismeasure of Fairness: A Critical Review of Fair Machine Learning
arxiv, 2018
paper assignment procedure

Each student will be either presenter or discussant for one paper.

Go to https://docs.google.com/forms/d/e/1FAIpQLSfrL3EWiDcTVS2BIXjbhrlfoqSQQ58LFm7Cd-cJkpzQNGca0A/viewform

The papers are listed in the order they will be discussed in class.

Complete the form, ranking all papers according to your own interest (1: highest; 9: lowest).

This afternoon, we will check your input and make the assignments trying to satisfy as much as possible your top choices.

The final order for all papers and final dates will be announced this afternoon. Check the course website to see this information. This includes the paper to be discussed next week (paper #1 in the list).
questions?

daniel.gatica-perez@epfl.ch