# computational social media

## reading session:

## logistics + assignments

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# reading session logistics

role 1: presenter

    read paper in depth

    prepare a slide presentation: 15-min presentation

    points to present: (1) what problem is addressed? (2) what are the scientific contributions? (3) what are the proposed methods? (4) what are the findings?

role 2: discussant

    read paper in depth

    prepare a slide presentation to lead the discussion

    possible points for discussion: (1) how to improve the technical work? (2) what implications do the ideas have for computer science? (3) what implications do the ideas have for society? (4) what are the limitations? (5) are there any controversial issues?

everyone else

    read paper abstract and introduction before class

    participate in the discussion

# paper list
## (in order we will discuss them, today is week 1)

1. M. Burke, L. Adamic, K. Marciniak (Week 3, 11.03)
Families on Facebook
Proc. AAAI ICWSM, 2013

2. M. Kosinski, D. Stillwell, T. Graepel (Week 4, 18.03)
Private Traits and Attributes are Predictable from Digital Records of Human Behavior
PNAS, 2013

3. Z. Tufekci (Week 6, 01.04)
Big Questions for Social Media Big Data: Representativeness, Validity, and Other Methodological Pitfalls
Proc. AAAI ICWSM 2014

4. S. Vosoughi, D. Roy, S. Aral (Week 7, 08.04)
The Spread of True and False News Online
Science, Mar. 2018

5. A. G. Reece, C. M. Danforth (Week 11, 06.05)
Instagram Photos Reveal Predictive Markers of Depression
EPJ Data Science, 2017

# paper list (2)

6. T. Gebru, J. Krause, Y. Wang, D. Chen, J. Deng, L. Fei-Fei (Week 12, 13.05)
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 (Week 13, 20.05)
6 Seconds of Sound and Vision: Creativity in Micro-Videos
Proc. CVPR 2014

8. T. Bolukbasi, K.-W. Chang, J, Zou, V. Saligrama, A Kalai  (Week 14, 27.05)
Man is to Computer Programmer as Woman is to Homemaker? Debiasing Word
Embeddings
Proc. NIPS 2016

9. K. Yang, K. Qinami, L. Fei.-Fei, J. Deng, O. Russakovsky (Week 15, 03.06)
Towards Fairer Datasets: Filtering and Balancing the Distribution of the People
Subtree in the ImageNet Hierarchy
Proc. ACM FAT*, 2020

10. B. Koch, E. Denton, A. Hanna, J. Gates Foster (Week 15, 03.06)
Reduced, Reused and Recycled: The Life of a Dataset in ML Research
Proc. NeurIPS, 2021

# paper assignment procedure

each student will be either <u>presenter</u> or <u>discussant</u> for one paper

go to the form shared on the moodle to see the list of papers; papers are listed in the order they will be discussed in class

complete the form, ranking all papers according to your interests
<span style="color:red">(1: highest; 10: lowest)</span>
<u>**hard deadline:**</u> Feb 28, 6pm (next Monday)

we will use your input to make the assignments trying to satisfy your top choices as much as possible

final assignments (names & dates) will be announced later next week

# questions?

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