COMPUTER SCIENCE

UNIT E WEEK 5, TUESDAY FEB 13TH + THURSDAY FEB 15TH

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THIS WEEK IN CS AND STEM

- Speaking of detecting psychosis…
  - https://futurism.com/ibm-psychosis-predicting-ai-speech/

- We all in 2018, but the police are in 2050 – facial recognition glasses
  - https://futurism.com/chinese-police-facial-recognition-glasses-surveillance-arsenal/

- SpaceX launched the Falcon Heavy rocket – putting a Tesla into solar orbit.
  - https://futurism.com/falcon-heavy-launched-next-stop-mars/

- The Ozone layer isn't recovering as it should – Montreal Protocol fail or bad GCMs?
  - https://futurism.com/ozone-layer-not-recovering/

UPCOMING TALKS

- The Future of Work: Humans and the AI revolution
  - Feb 21 6-8pm at MaRs Discovery District (101 College St)
  - $15 admission
  - https://www.eventbrite.ca/e/future-of-work-humans-and-the-ai-revolution-tickets-42691358001?aff=FBEvent

- ROM Connects (https://www.rom.on.ca/en/whats-on/rom-connects)
  - Feb 18th, 2-4pm: An Afternoon with Vikings

ASSIGNMENT 12

- CCC 2017 problem 4 (S4: Minimum Cost Flow). Output and input should be the same as asked in the problem. Include comments and docstrings where necessary.

- Include a secondary version of the working assignment that includes:
  - Generalized I/O: use argparse to get input and output file names and write the output information to the output file. Assume the input file has some straight-forward structure.
  - More detailed output: instead of numbers, add some short explanation.
  - Modularized functions kept in separate files and called into the main script

- Due Sunday Feb 18th by 11:59pm via email to woodford@cita.utoronto.ca

GROUP PRACTICE

- CCC 2017 Problems 1 and 2– S1: Sum game, S2: High Tide, Low Tide

- We've had S3 and S4 as assignments, see if you can get S5 as a group!

- Also work on:
  - Practise contest for 2018 (through CCC grader)
  - 2016 questions (all)
  - 2015 questions (all)

SEARCHES WITH 2D ARRAYS:

- Open Lecutre32_33_searches.ipynb and complete the last section

REFERENCES

- https://www.geeksforgeeks.org/linear-search-vs-binary-search/