**5.1 Women in ML**

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**WeCreate**

* <https://www.wecreate.academy/>
* Free online engagement sessions

**Today's topics**

1. How to build your own profile, raise awareness about your work, build your network.

2. How to find collaborators, build a team, work with researchers from other fields.

3. Different routes into Al/ML, not traditional approaches into the field.

4. Tips on applying for PhD positions, choosing research topics.

5. Working in academia vs industry.

**How to build your own profile, raise awareness about your work, build your network.**

* Emma Slade:
  + Accepting and attending talks and seminars at universities
  + Ignoring the “imposter syndrome” feeling as junior or minorities
    - Approach others
* Ioana Bica:
  + Build your own website, showcasing your:
    - Talks
    - Projects
    - Research interests
  + Reach up to other ML groups
    - Collaborators
    - Raise work awareness
  + Submit work to workshops
    - Usually focused on a specific topic
* Alicia Curth:
  + Twitter
    - Less academic
    - Summarizing idea in a more approachable way

**How to find collaborators, build a team, work with researchers from other fields.**

* Emma Slade:
  + Will be uncomfortable, but need to step out of the comfort zone
  + Build LinkedIn profile, Twitter, or website
* Ioana Bica:
  + Working with clinicians:
    - Communicate the ML algorithm
    - Properly define the problem to be solved
    - Access to data with clinicians
  + Identify your unique strength
* Alicia Curth:
  + Working with researchers from other fields:
    - Communicating your work in a concise manner
    - Explaining to non-experts
      * Skills that need to be learnt
      * Valuable task
      * Identify common language

**Different routes into Al/ML, not traditional approaches into the field.**

* Alicia Curth:
  + Econometrics -> statistics -> ML
  + Many people with non-traditional backgrounds
* Emma Slade:
  + There is not a best time to move away

**Tips on applying for PhD positions, choosing research topics.**

* Ioana Bica:
  + Find research interests
  + Identifying matching labs
  + Approach lab members (PI may be too busy)
  + Be flexible
  + Taking into account the research influence from the group
* Alicia Curth:
  + Research topics: not necessary to trying to fix a topic within the entire PhD
  + University allowing pivoting if things don’t work out

**Working in academia vs industry.**

* Emma Slade:
  + Differing mindset
    - Bureaucracy and politics is less in academia than industry as junior
  + Ability to perform research is driven by the company
    - Personal balance: freedom
  + Ideas flow between academia and industry
    - Academia: cutting-edge on technologies
    - Industry: data provision