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Networking

www.emeritus.org

Breakout instructions

10 min in breakout rooms

- Share your names
- What are you learning in this course? Why are you taking it?
- What areas are you interested in applying data scientific methods to?

What are significant frameworks of the coming AI Landscape?

Research

AI is fundamentally progressed through the proliferation of new research

- Literature surveying
- Paper replication
- Theoretical discussions

Technology

AI is now embedded in the technological development of the future

- Software integration
- Deployment focus
- Open-source communities

Engineering

AI is created, not discovered

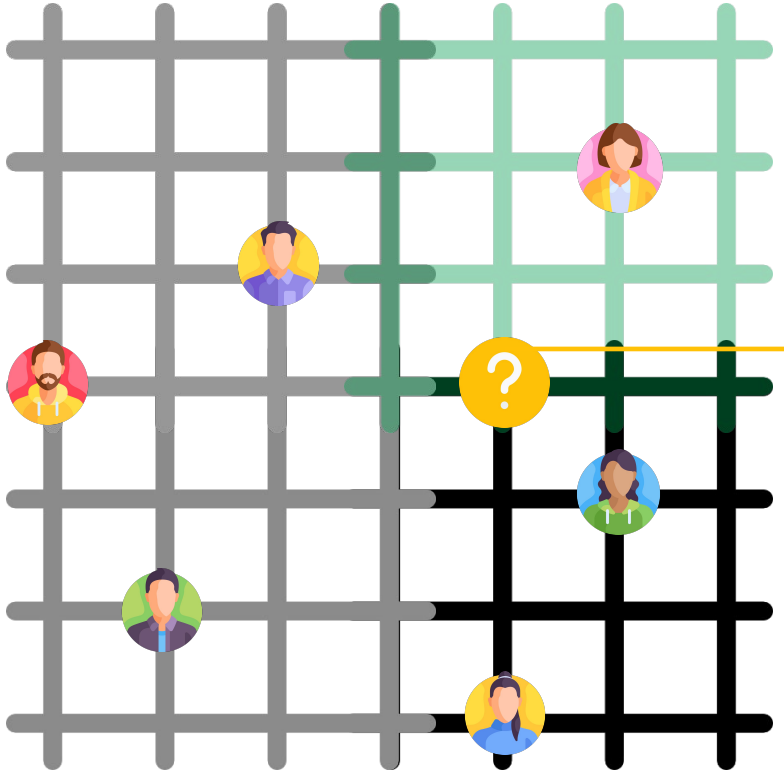
- Applying theories
- Designing for use
- Iterating on drafts

Psychoanalysis

AI is modelled after, for, and by humans

- Human objectives
- Empathy as praxis
- Humans are always in the loop

Building your identity in the AI Community



AI pulls from, and applies to, a vast diversity of fields and subject matter

What fields and subjects drive your growth in this blending of expertise?

- How will you proliferate human activity, not automate it?
- How will interacting with people inform your design?
- How will the failures of AI indicate your conditions for success?

"*The Goal is often to use this **blend** to build real-world systems that serve collections of **people**"*
--- Jordan, Michael PhD, UC Berkeley

Creating your Brand in Data Science

Reframing agile for Machine Learning

The intersection of software production and model development

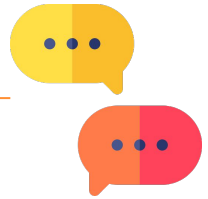
Data science in supply chain analytics

Marketing with Graph Neural Networks

Security in the world of inference machines

How can ML reevaluate the efficient market hypothesis?

Communicating value in AI projects



Unique Subject Matter Expertise

How do you come to the world of data science?

Conferences

Conferences are a great way to get a pulse on the big shifts within the field

Examples

Open Data Science Conference (ODSC) **– General audience/activity**

Cosyne/NeurIPS **– Research focused**

World AI Cannes Festival **– Business/enthusiast community**

- **Since Data Science is somewhere between Tech & Science, it is important to attend conferences at whatever frequency you can manage in order to have a pulse on progress.**
- **Networking in data science provides many of the benefits and styles of engagements across business, to tech, and to scientific networking.**

Virtual Conferences

Virtual Conferences are the most practical venues for most of us to grow within the field. The best way to find ones you like is by discovering individuals and groups who produce them.

Long-Form Content

***Lex Fridman Podcast*– Many AI thought leaders to discover**

***Edan Meyer*– Great AI topic assortment**

***Stanford HAI*– Free AI conference recordings**

Newsletter Sources

DeepLearning.ai

FourthBrain.ai

CQDM

- More practically available for everyone; allowing an individual to build a calendar around events and growth
- Virtual events allow one to refine the subject matter to what they are interested in

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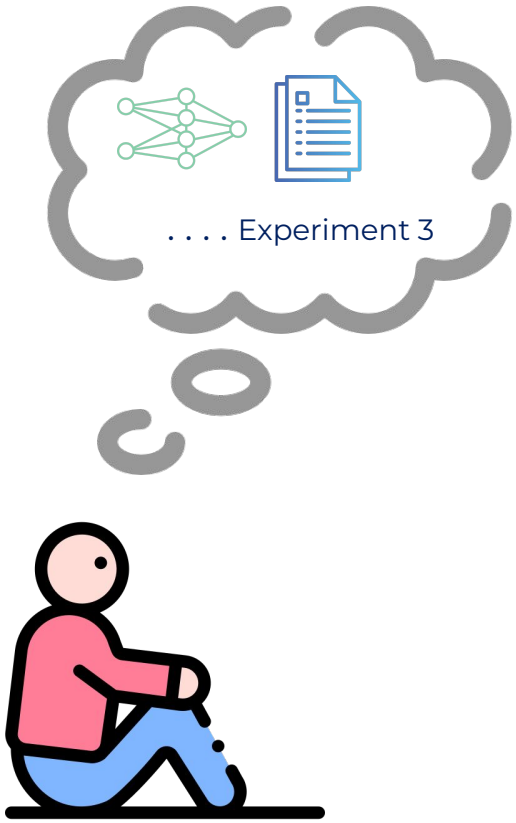
Community Building

Networking for your Expertise

Putting your training in the arena

- Get your thoughts in front of other people
- Let your ideas get batted around
- Pickup other people's insights that speak to you
- Add their insights into your cauldron
- Start cooking up new ideas that synthesize your ideas and other's

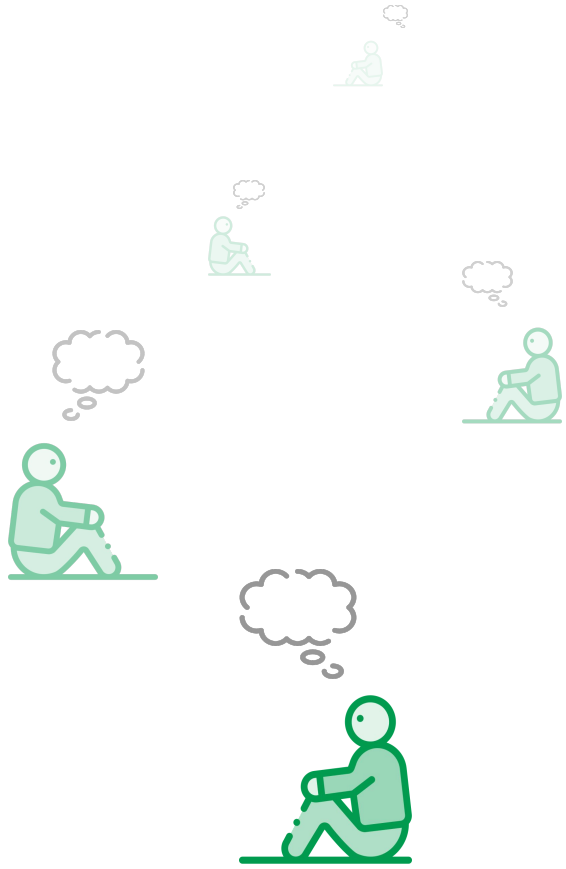
The Industrial Data Science Workforce is Often Siloed



- Many data scientists are the only ones on their teams
- Sound-boarding for data science requires a lot of subject matter expertise
- Data Scientists are often not broadcasting their stories
- Getting a small group together is already a great step

From Local to Global Optima

Community organizing makes a massive difference in the overall health & skills of the data science capacity



Because Data Science is so broadly applied, the best ideas are often created from combining disciplines

But...

Data Scientists are often siloed across, or within, their organizations

- Modelling efforts/failures/successes
- Interesting research
- Cultural inadequacies/improvements in DS
- Career growth

...

Create the
Grassroots Venue!

Breakout instructions

10 min in breakout rooms

- Share your names
- Think about the networking methods you plan on using to expand your community and keep your knowledge up to date. Use a mindmap.
- Pick at least one method and produce a draft note for it. For example, try creating a draft post for Linkedin, or an approach email to a round table, or a request to be a panel speaker, etc.

Data Science Community Organizing

Private Community

Make a list of a few people who are interested in similar DS topics in your organization

Own an invite for a recurring call (biweekly, monthly, etc.)

Create a casual discussion agenda for the first call to build from

Own the ideation for how the discussions may be able to contribute to your organization

Public Community

Make a list of a few friends/acquaintances/co-workers who would be interested

Own an invite for a recurring call (biweekly, monthly, etc.)

Create a casual discussion agenda for the first call to build from

Own the transition from discussion to content

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Signal in the Noise

Making cold interactions warm

Post based interaction

- **Making posts about DS topics**
- **Reacting to posts about DS topics**

Follow and Connect with DS-minded people:

Shoot a few follows and connection requests on **LinkedIn & Twitter** to people who post about Data Science. Start with hashtags to find people if you need to.

Reaction:

Start to get comfortable with interacting with posts and others' reactions within them. Ask questions to posts and comments that interest you. Find some topics you have some experience/insight into.

Creating posts:

Eventually get around to creating your own posts:

- Thoughts/questions relating to anything data scientific
- Content inclusions with a short commentary – articles, reports, etc.
- Original writing

If you create posts of varying degree of original input for a decent enough amount of time, you can start to develop your own narrative to consider as worthwhile content. Even if you don't ever post your own thoughts in a longer form piece of social media content, it is valuable to start forming them internally to ensure you are building your own subject matter expertise.

Avoiding the chatter

Everyone is talking about AI. How do we not get caught in the spam filter?

- Don't just be a re-poster. Have something original to say
- Don't be afraid to show confusion, doubt, questioning
- Post your own content and thoughts without the support of another post

What is the value people are getting from others' posts?

- Try to see how a topic may relate to areas you are building subject matter expertise in
- Make sure your posts are not redundant; tilt the axis of view on subject matter
- Find people who are

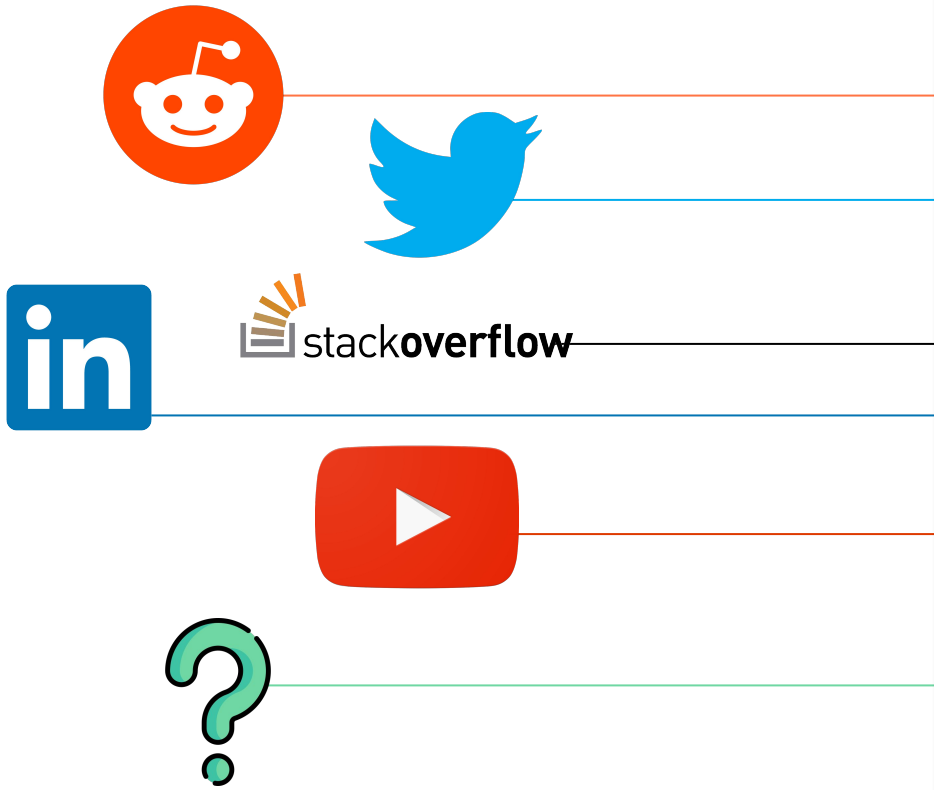
Find people who have a voice

- Look for technical practitioners who explicate a lot of their work/thinking
- Look for business/operational people who post about failures
- Use the good perspectives you find as frameworks for evaluating your own identity growth

Learning to speak authentically

as you develop your brand of AI

Diversify your Training Set



- Communication is a huge obstacle in AI
  - Getting comfortable interacting within multiple channels will increase your communication skills
- Bias exposure is important for modelling
  - Ai is not about removing bias, that is impossible, rather AI is about exposing and blending biases for robust solutions.

What signals are you cultivating to grow your training data?