

Research Jamming in a Remote World

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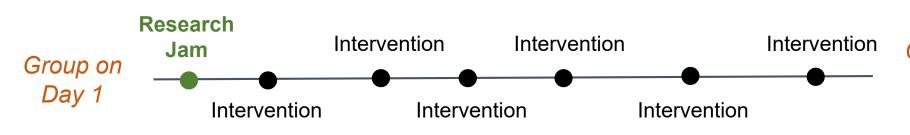
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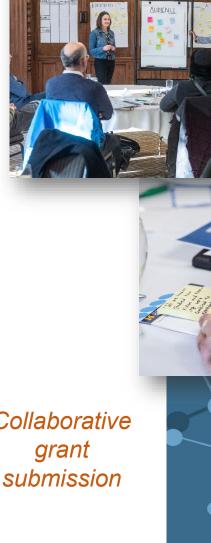


Research Jams

- Facilitated brainstorming sessions
- Ideal for new and loosely formed groups tackling a complex research problem
- Goals are fuzzy

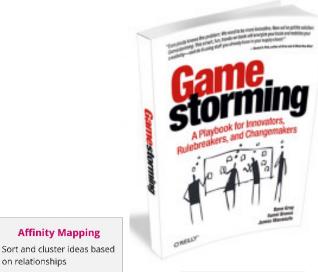








Designing Research Jams





on relationships



Dot Voting

Use dots to prioritize and converge upon an agreed

Types of Cats Maine Coon



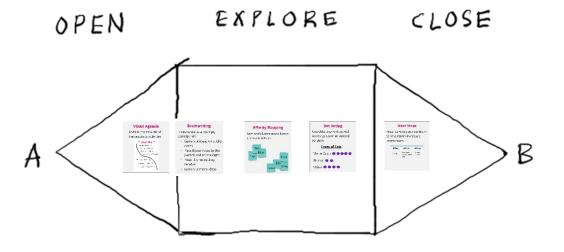
Pecha Kucha

Fast, structured talks that enable people to share ideas quickly:

- · Example: 20 slides, 20 seconds per slide
- · Slides advance automatically







A Few Design Thinking Principles

- Understanding 'user' needs
- Making things visual
- Amplifying diversity
- Bias towards action



Research Jam in Action: Scoliosis Research





Research Jam | Scoliosis Research **Setting the Stage**







At her 11 year old well-child exam, Amy's pediatrician suspects scoliosis and refers her to orthopedic surgeon

12 year old Amy & her family have been in "watchful waiting" with X-rays every 4-6 months

6 months later, Amy's curve has worsened and Dr. Smith prescribes a back brace to wear 18-23

13 year old Amy's curve has progressed, despite wearing a brace: Dr. Smith recommends

What is scoliosis?

Scoliosis prevalence in the US is ~3-4% (curves >10°, and girls are more commonly affected than boys (up to

Why is scoliosis harmful?

It's not just about looks:

· Mental health issues · Lung and heart issues

What are the current treatment options?

· Casting (in early · Physical therapy



Amy's curve is not large enough to prescribe a brace, but Dr. Smith is worried her curve will

get worse as she grows "I've seen so many girls Amy's age have rapid curve increase and go on to surgery: I wish we

could prevent that* - Dr. Smith



Mom worries about another one of Amy's X-ray appointments

Amy has had so many x-rays as a kid already and that can't be healthy. There must be a better way to perform these frequent measurements.



Amy just wants to fit in at middle school

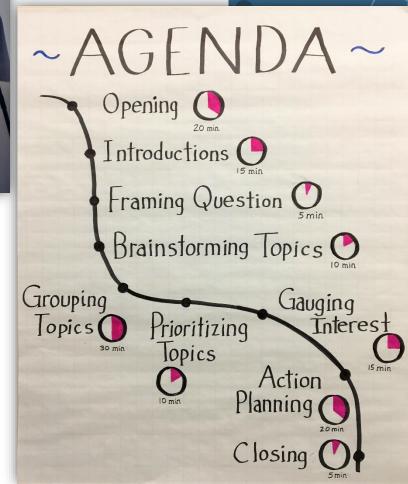
I'm getting really hot in this sweater but hopefully it's hiding my brace. I feel like everyone is looking at me-I'm definitely not going to raise my hand.

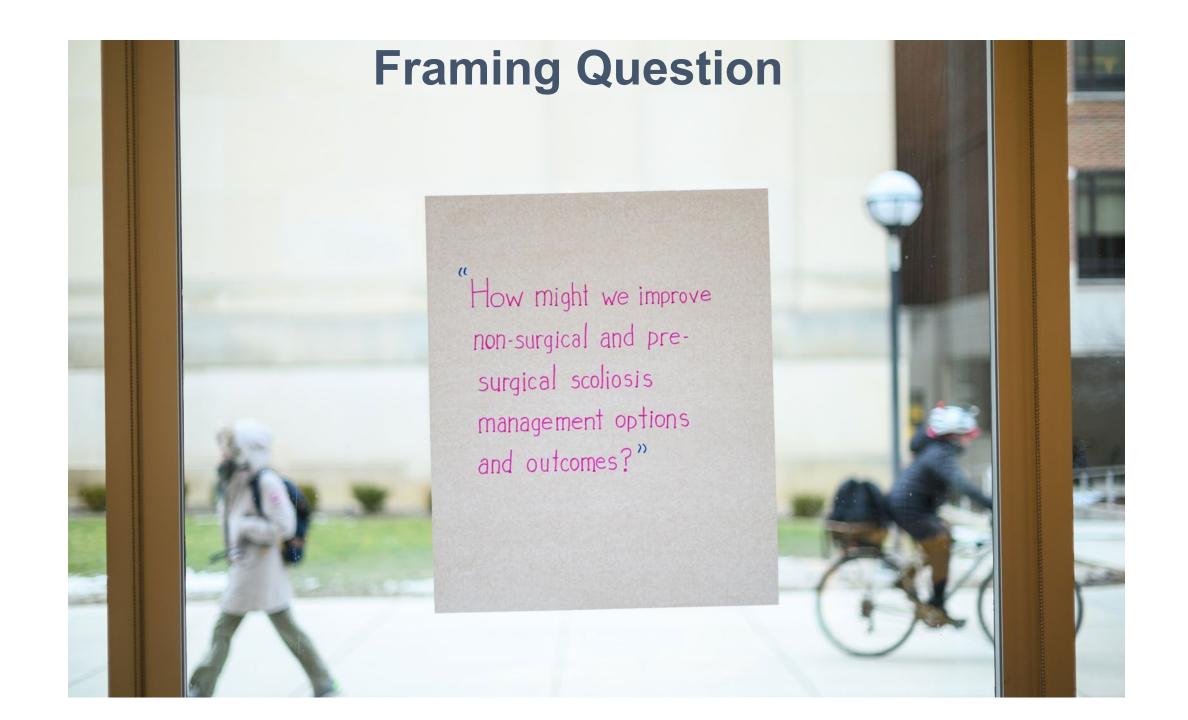


Amy is exasperated that she followed the rules but still needs surgery

I don't understand. I've been wearing my brace EVERY day the use? Plus, all of my favorite clothes are getting holes from the stupid brace.







Research Jam | Scoliosis Research Ideation and Thematizing

What collection of BROAD
RESEARCH TOPICS
would we need to pursue
to address the framing

question? "Brainwriting"



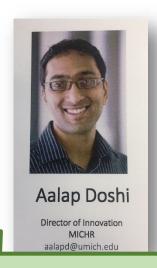






Research Jam | Scoliosis Research Prioritizing and Mapping Interests

For this group to develop synergy, and for U-M to become a leader in scoliosis research, which groupings should we prioritize?



Place your **Interest Card** next to the grouping you are most interest in pursuing.













Research Jam | Scoliosis Research Action Planning





Research Jams: A Remote World

