

TONYA NGUYEN



Tonya Nguyen



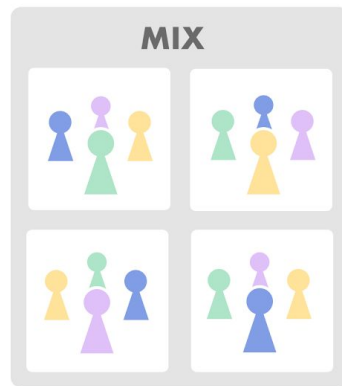
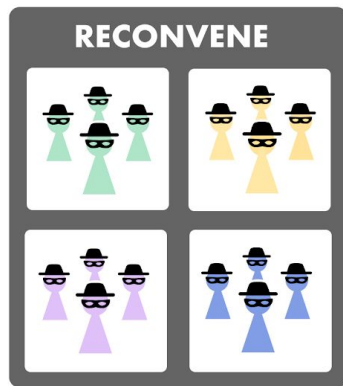
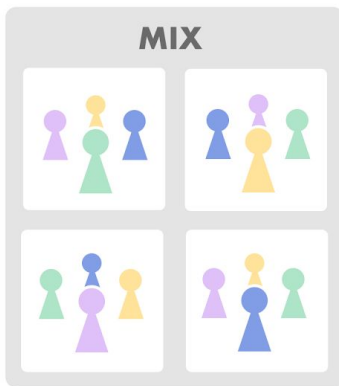
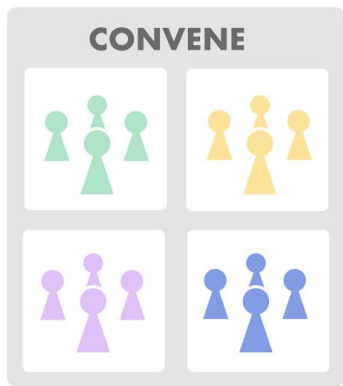
- Mentored by 🌟 **Mark Whiting**
- Rising senior
at 🐻💛 **UC Berkeley**
- Studying 🤖 **HCI** & 📖 **Critical Theory**



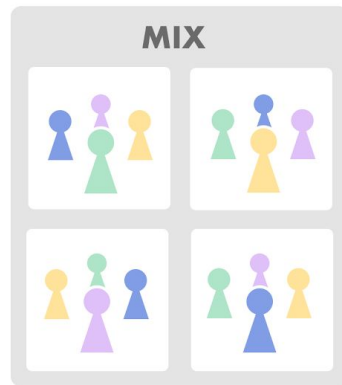
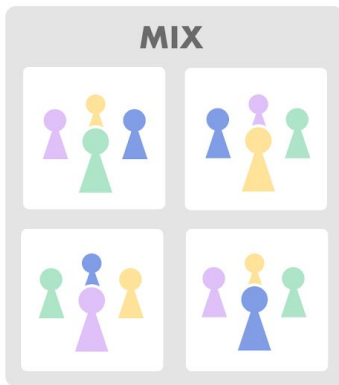
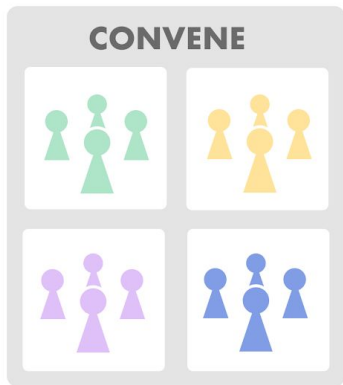
FRACTURE

When more than half of the teammates **no longer want to work together**; loss of team viability





MASKED



UNMASKED



Motivation

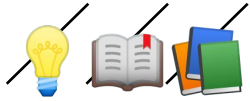
Task stimuli manipulate if  **fracture**
is more explained by  **personal** or
  **situational factors**

Did It Have To End That Way?: Masking Repeated Interactions to Test the Consistency of Collaborative Outcomes

WHITING ET AL., 2019



Cognitive Conflict



Intellectual Tasks



Teams tend to consistently repeat their preference for fracture due to their **personal nature**








Creative Tasks

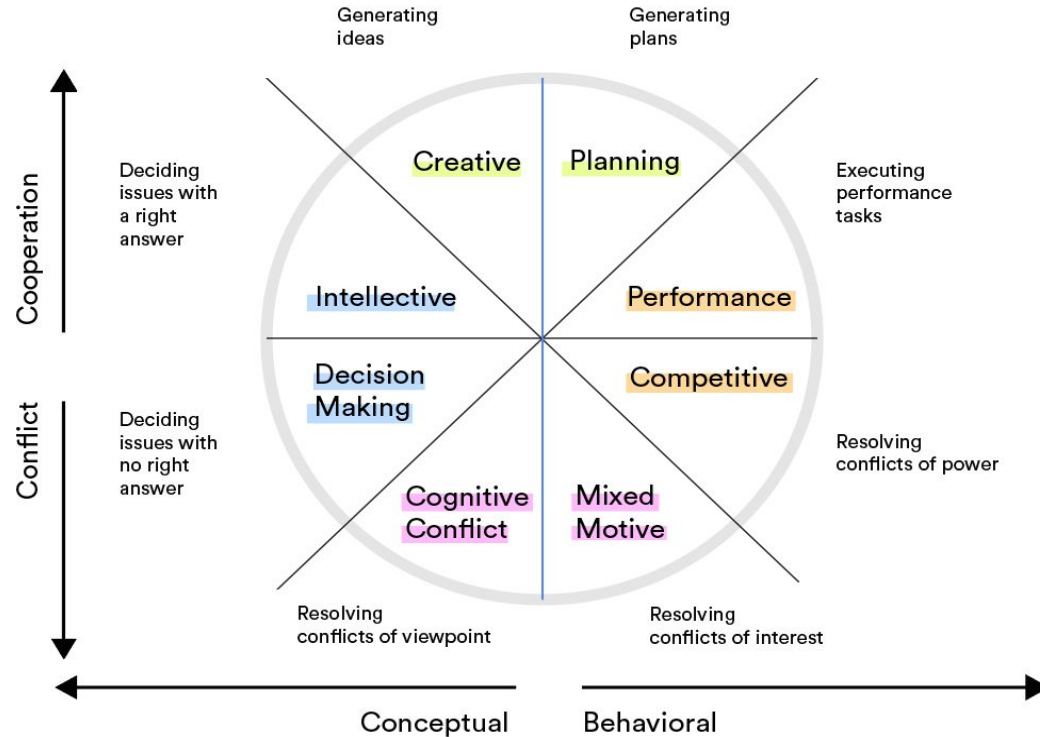


Teams tend to be **inconsistent, situational**

Research Question

What    properties of  tasks contribute to this  difference?

How should we understand tasks?



What properties are there?

Circumplex Type	Task Goal	Decision Making Process	Dominant Process	Interdependence	Task Design
Decision Making	Convergence on a shared outcome	Voting, unanimous	Conflict Resolution	High	
Creative	Diverge on ideas, converge on one	Consensus, unanimous	Execution	Moderate	
Cognitive Conflict	Converge on a joint outcome based on personal views	Unanimous	Conflict Resolution	High	
Intellective	Converge by agreeing on one truth	Truth wins, majority vote	Problem Solving	Low	

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What tasks fit into the circumplex?

Decision-Making



Jury Decisions

Creative



Ad Writing (Dow, Salehi)

Cognitive Conflict

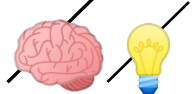


Splitting



based on personal values

Intellective



Logic games, math problems, puzzles

What did I learn from creating tasks?

Decision-Making



Jury Decisions

Creative



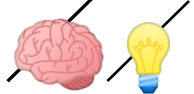
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Cognitive Conflict



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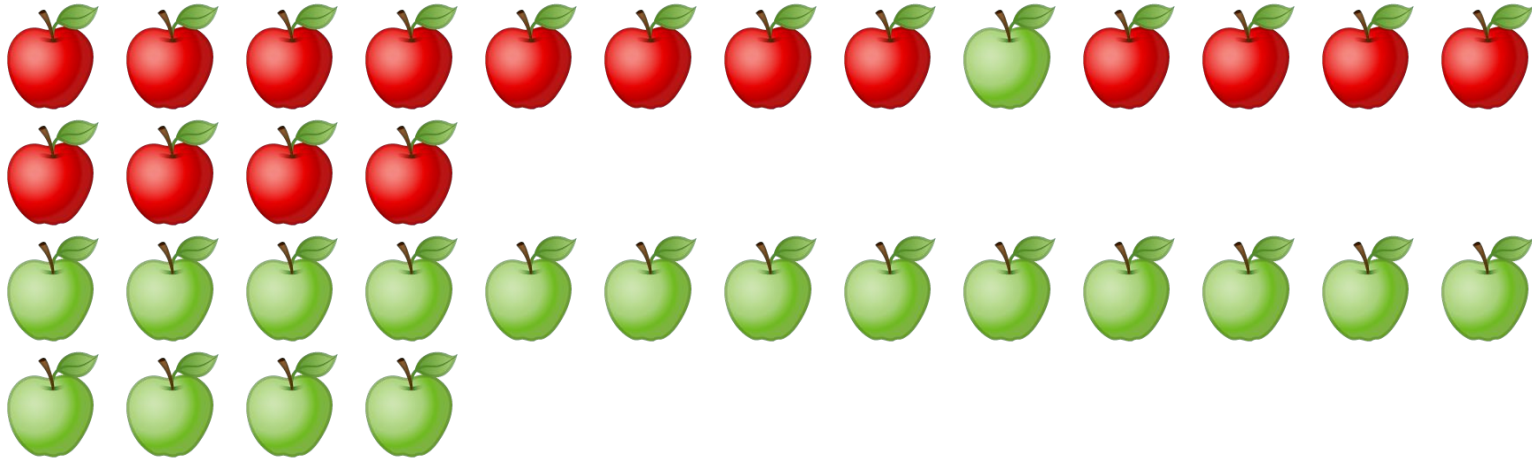


What did I find?

Decision Making, Cognitive Conflict, Mixed Motive

Decision making mechanisms and
personal motivation influence group
climate

ONE ROTTEN APPLE SPOILS THE WHOLE BARREL


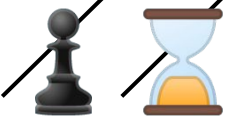




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What did I find?

Decision Making

Jury outcomes are  **personal**, but
their  **reasoning and negotiation**
is  **situational.**

"Oh, i actually disagree"



"Yeah, i actually disagree too... we shouldn't..."



What did I find?

Cognitive Conflict

Different viewpoints lead to 
better  joint outcomes, but
conflict may become 
personal.

2019-03-31 18:21:57 **spryFox: i wont give a penny for veterans. If there were no veterans there would be no wars. I say 250-250-0**

2019-03-31 18:22:17 reasonablePanda: uhhh

2019-03-31 18:22:27 reasonablePanda: I don't think it works that way

2019-03-31 18:22:33 **spryFox: I'm a pacifist and I wont budge on that.**

2019-03-31 18:22:43 hippieMonkey: I can appreciate your stance A3TFPMETFAMJ35 however, I think its important to support people that allow you to be a pacifist

2019-03-31 18:23:16 **spryFox: Thats nonsense. If they would say "hell no we won't go" there would be no war**

2019-03-31 18:23:32 reasonablePanda: I still don't think it works that way

2019-03-31 18:23:39 reasonablePanda: that's why we got a draft

2019-03-31 18:23:42 hippieMonkey: And you wouldn't be free and enjoy freedom of speach

2019-03-31 18:23:43 spryFox: You are hopelessly naive

2019-03-31 18:23:44 hippieMonkey: speech

2019-03-31 18:24:06 spryFox: I am not free. The capitalist pigs are free. Us poor are there slaves

2019-03-31 18:24:21 reasonablePanda: I think you're just trolling

2019-03-31 18:24:25 spryFox: workers of the world arise; you have nothing to lose but your chains

2019-03-31 18:24:26 hippieMonkey: Agreed

2019-03-31 18:24:47 **reasonablePanda: for how pacifistic you are, you seem awfully aggressive**

2019-03-31 18:24:53 hippieMonkey: lol

2019-03-31 18:25:30 spryFox: I am just stating my opinion. Note that you don't see any rich capitalists among these veterans you want to help

2019-03-31 18:29:35 spryFox: 3> \$0 not one penny for those who support wars

2019-03-31 18:29:42 reasonablePanda: that's 2 against 1

2019-03-31 18:29:51 **spryFox: I DO NOT AGREE. I WILL NOT SUPPORT VETERANS**

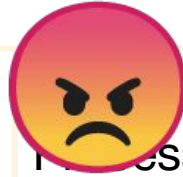
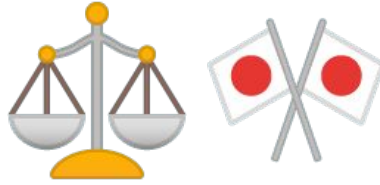
2019-03-31 18:29:55 hippieMonkey: ah democracy that our veterans fight so hard for at work

2019-03-31 18:30:15 spryFox: NO YOU IDIOTS THEY FIGHT FOR THE RICH CAPITALIST PIGS

2019-03-31 18:30:22 hippieMonkey: haha ok

2019-03-31 18:30:24 **reasonablePanda: it's just mturk dude**




2019-03-31 18:30:35 **spryFox: People like you are why we have right wing nuts in charge**



Circumplex Type	Task Goal	Decision Making Process	Dominant Process	Interdependence
Cognitive Conflict	Converge on a joint outcome based on personal views	Unanimous	Conflict Resolution	High

What did I find?

Creative Tasks

Situational outcomes depend on
  agreement and  willingness
to cooperate.

**SAME TEAM
SAME PEOPLE
DIFFERENT
SITUATIONS**

*“The team was able to **work as a unit to quickly identify a product slogan** in which everyone had come to an agreement with.”*

*“We worked really well together and came up with lots of **good ideas!**”*

*“We were **all able to pitch** in different inventive ideas.”*

*“There **wasn't much input** given from all members.”*

*“I don't think we worked particularly well together. **We didn't even agree on what 30 characters meant** exactly at the end. I don't think we were terrible but definitely not as good as the prior teams.”*

*“They seemed **lazy** and just wanted to do the **minimum amount of work**. They all jumped to go with a **terrible idea** without even bothering to think of other options. I also wasn't sure if they all **spoke English properly**.”*



Circumplex Type	Task Goal	Decision Making Process	Dominant Process	Interdependence
Creative	Diverge on ideas, converge on one	Consensus, unanimous	Execution	Moderate





















  ***Thank you!***

Mentors

  Mark Whiting,   Michael Bernstein

Team

  Michelle Xing,   Yu-Jin Lee,   Ryan Foulke,   N'godjigui Junior
Diarrassouba,   JD Zamfirescu,   Irena Gao,   Emily Hu,   Laura Fiuza,
  Phoebe Yao