

Comparative Agility

Kenny Rubin
Laurie Williams

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Background of Kenny Rubin

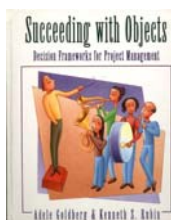


1 of about 120
world-wide



Former
Managing
Director

Author of:



- Trained more than 15,000 people in Agile/Scrum, Smalltalk and PM
- Provide Agile/Scrum coaching to developers and executives

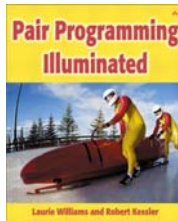
Available in Q2 2011



Background of Laurie Williams

- Associate Professor of Computer Science at North Carolina State University
- Ex-IBMer

Author of:



- Trained more than 600 professionals in Agile/Scrum SW dev and PM

Editor of:



Agenda

- Motivation
- The Assessment Framework
- Assessment Process
- Preliminary Industry Results
 - Exercise
- Sample Company Results
 - Exercise
- Future of CA

Scenario

- ▶ Our company has decided to use agile
- ▶ We get training and maybe some coaching
- ▶ After six months, management wants to know:
 - ▶ “How are we doing at adopting agile?”



Some specific questions

- ▶ Are we where we should be?
- ▶ In which areas do we need to improve?
- ▶ In which areas are we excelling?
- ▶ How are we doing relative to others?
- ▶ How are we doing relative to our competitors?

We need an assessment framework

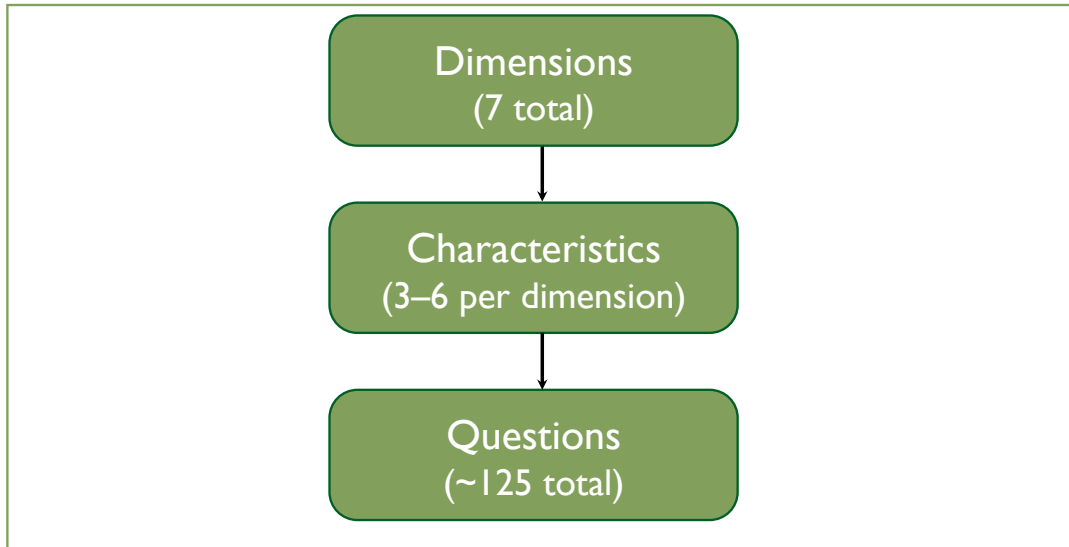
- ▶ An instrument for “measuring” agility
- ▶ Desirable attributes
 - ▶ Must evaluate multiple dimensions of agility
 - ▶ Must lead to actionable recommendations



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Assessment framework

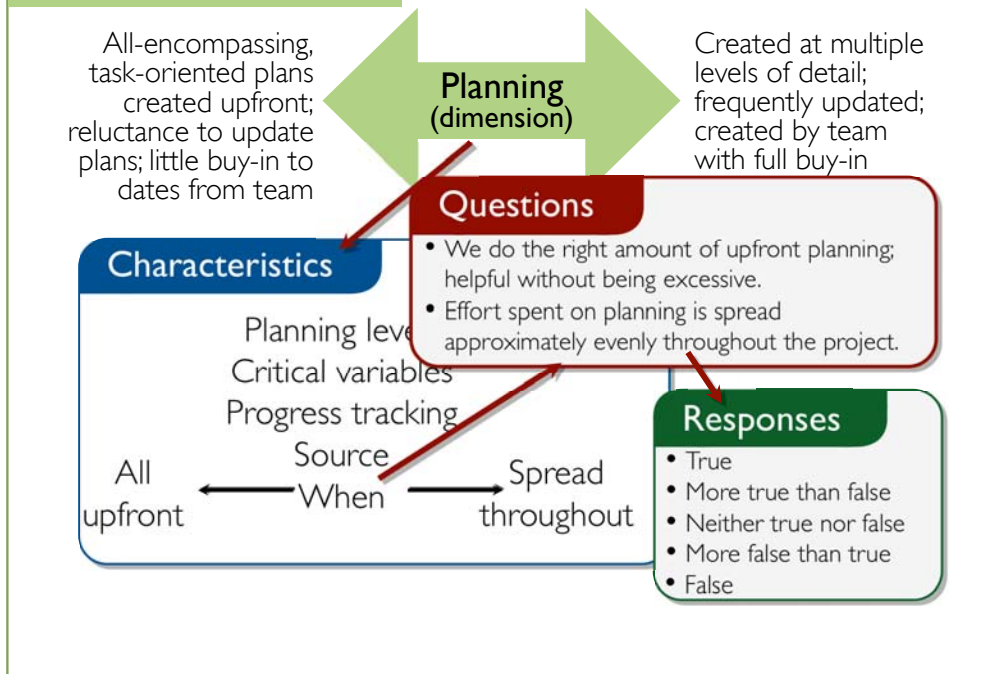


Seven assessment dimensions

- ▶ Teamwork
- ▶ Requirements
- ▶ Planning
- ▶ Technical practices
- ▶ Quality
- ▶ Culture
- ▶ Knowledge creation



An Example

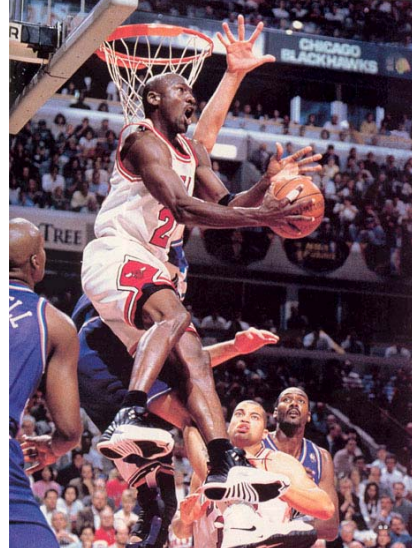


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Assessment philosophy

- ▶ Not trying to determine maturity levels
- ▶ Organizations do not need to be perfect
 - ▶ Only better than their competitors
- ▶ Lead to the idea of a Comparative Agility Assessment
 - ▶ “How am I doing compared to my competition?”



Assessment approaches

- ▶ Consultative
 - ▶ Administered to a team of people by a consultant
 - ▶ Consultant fills in the questionnaire based on responses collected during interviews
- ▶ Self-administered
 - ▶ Individuals working on projects complete either paper or online version of the survey
- ▶ Survey found at:
 - ▶ www.ComparativeAgility.com

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[Survey](#)
[Partners](#)
[Case Studies](#)

Take the Survey

[Stop and Finish Later](#)
VERSION 1.0

progress: 11% complete

☒ Demographics
 ☐ **Teamwork**
☐ Requirements
 ☐ Planning
 ☐ Technical Practices
 ☐ Quality
 ☐ Culture
 ☐ Knowledge Creating

Teamwork Questions

Teamwork Composition

	True	More True than False	Neither True nor False	More False than True	False	Not Applicable
Everyone required to go from requirements to potentially shippable product is on the team.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Specialists are willing to work outside their specialties to achieve team goals.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teams have 5-9 people on them.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
People are not on more than 2 teams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Testers and programmers are on the same team.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Team members are kept together as long as possible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Next Questions »](#)

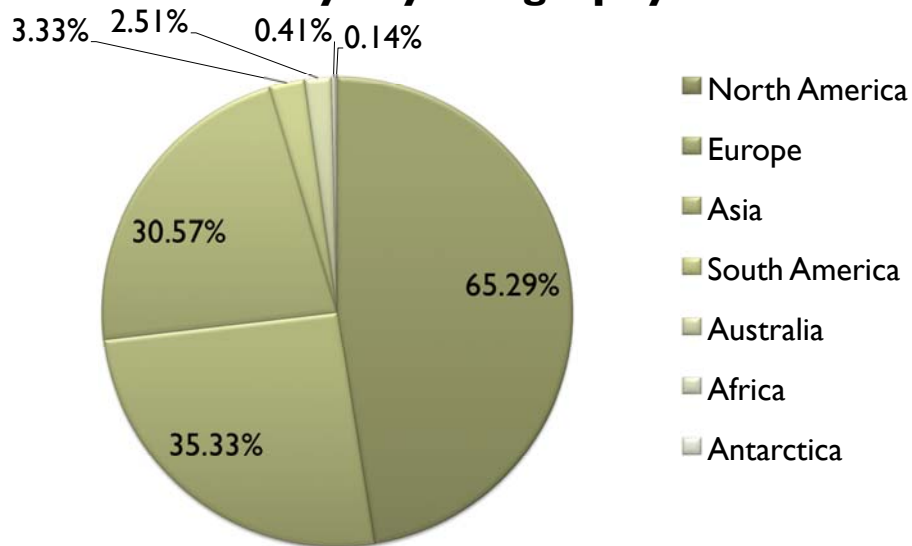
Sample from online survey



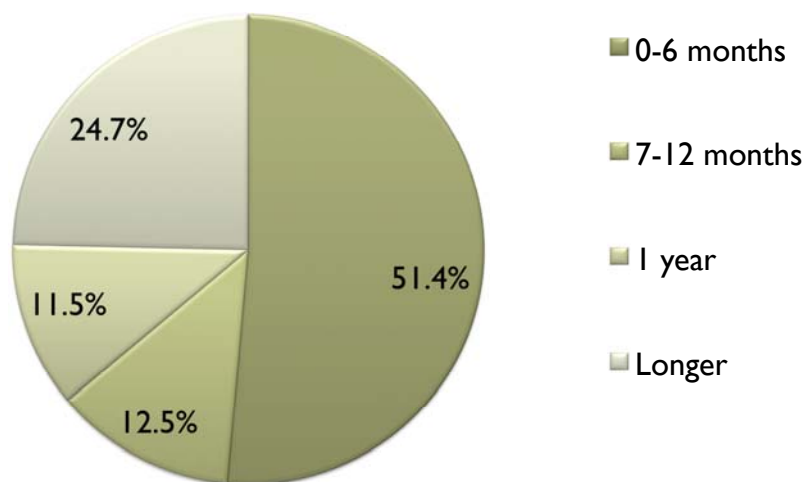
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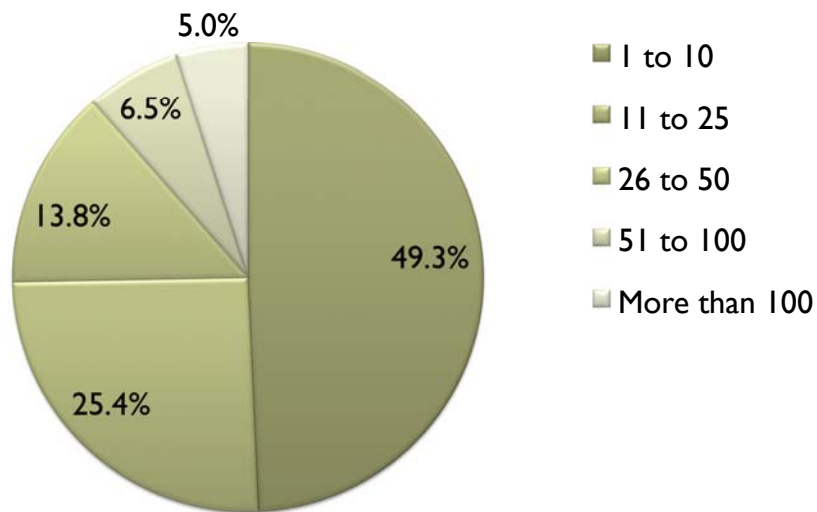
Surveys by Geography



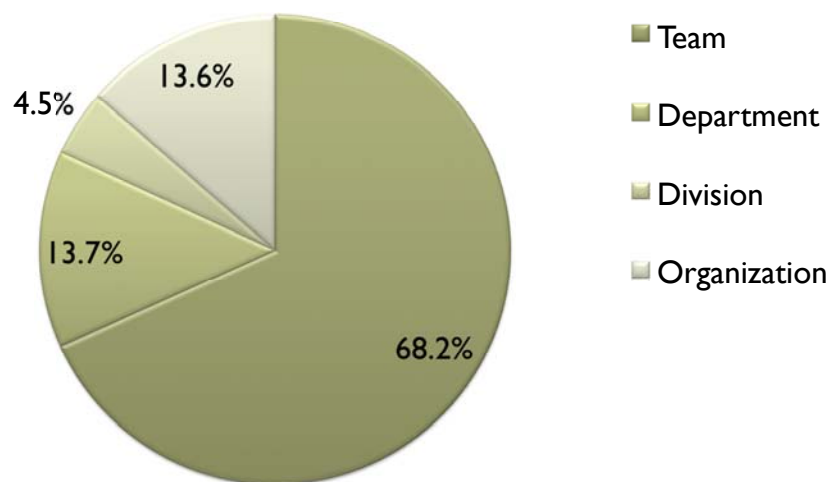
Agile Experience of Respondents



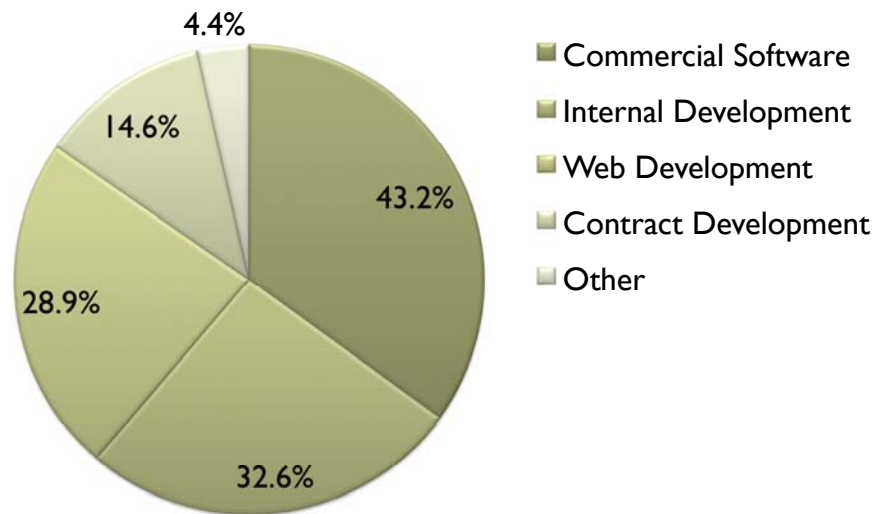
Number of People on Project



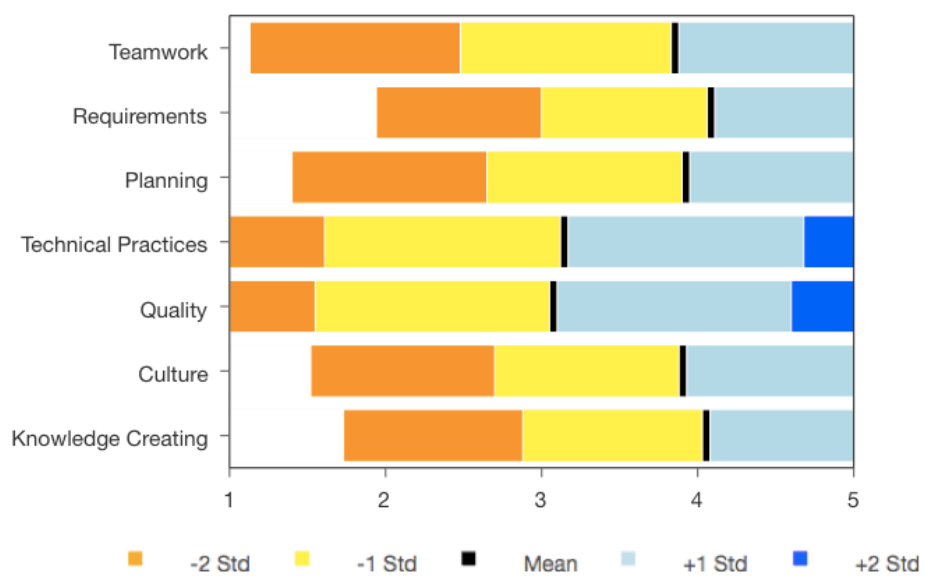
Scope of the Survey Response



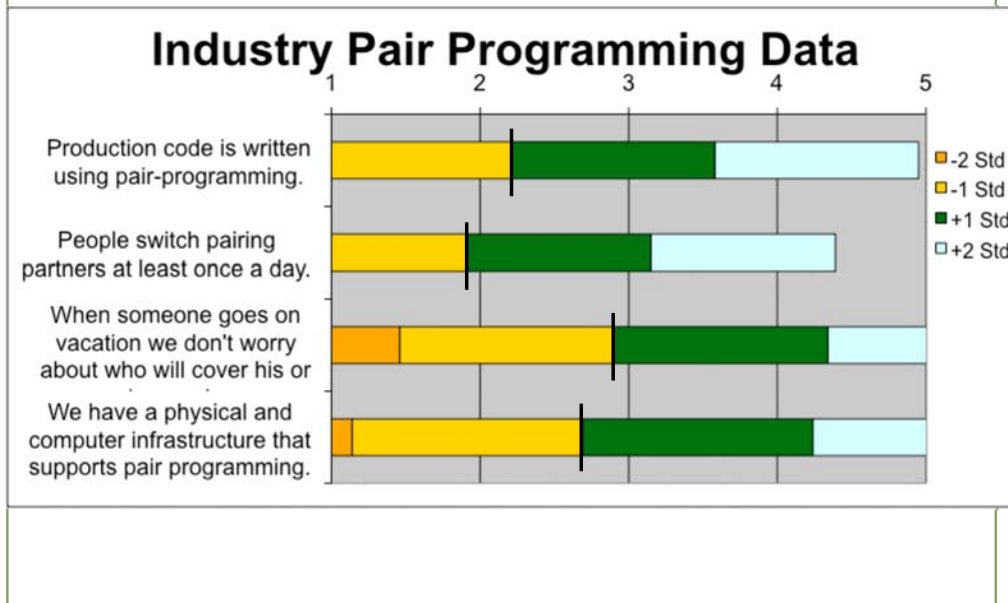
Scope of the Survey Response



Seven Dimensions



Example Question-level Data

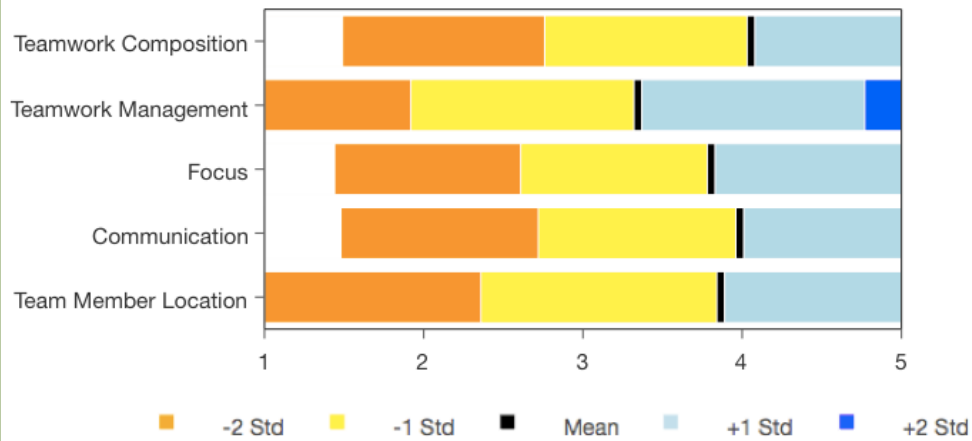


Exercise

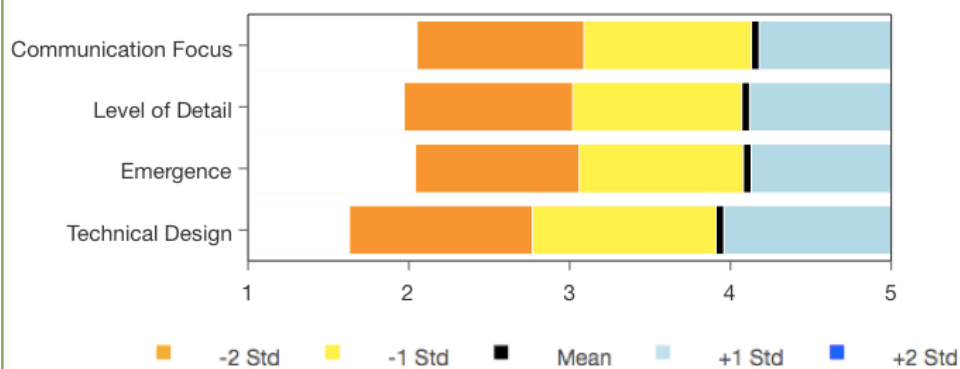
- Rationalize industry trends
 - Why are some aspects of agile more easily and/or readily accepted than others?
 - What aspects of agile should we focus on, as an industry, to improve results?



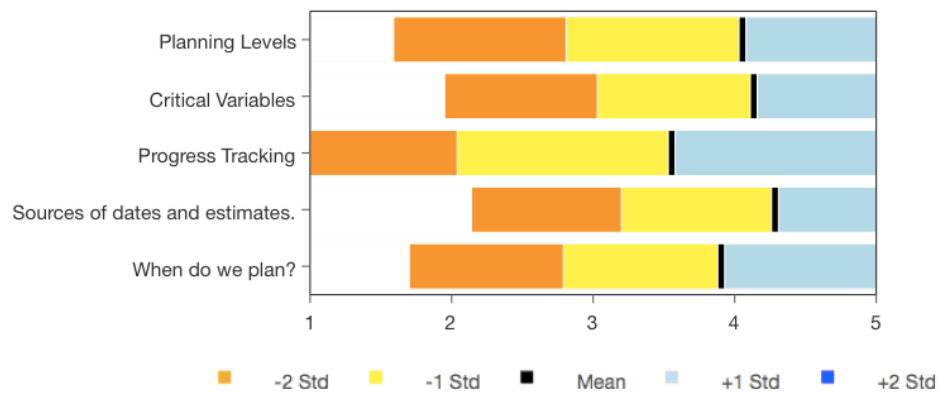
Teamwork



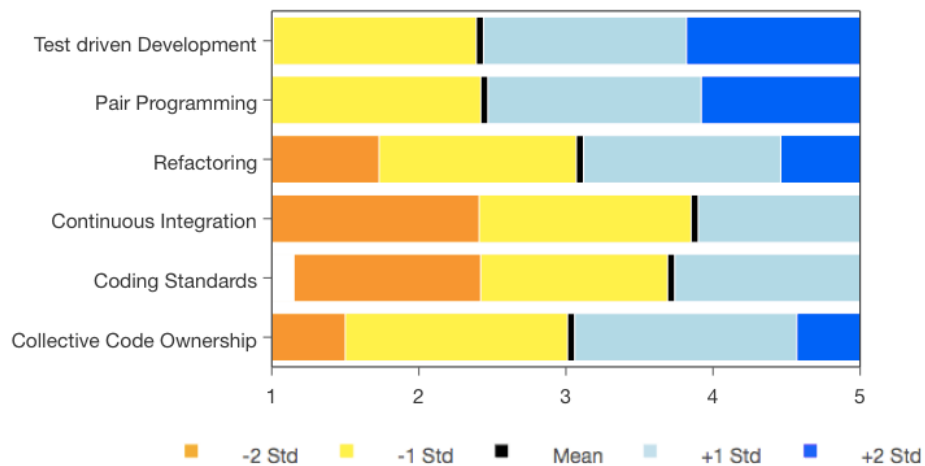
Requirements



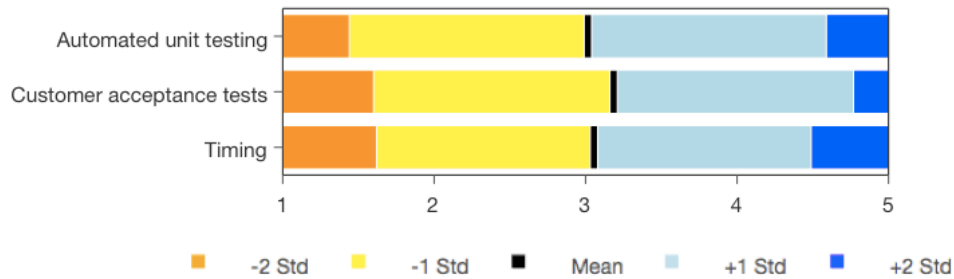
Planning



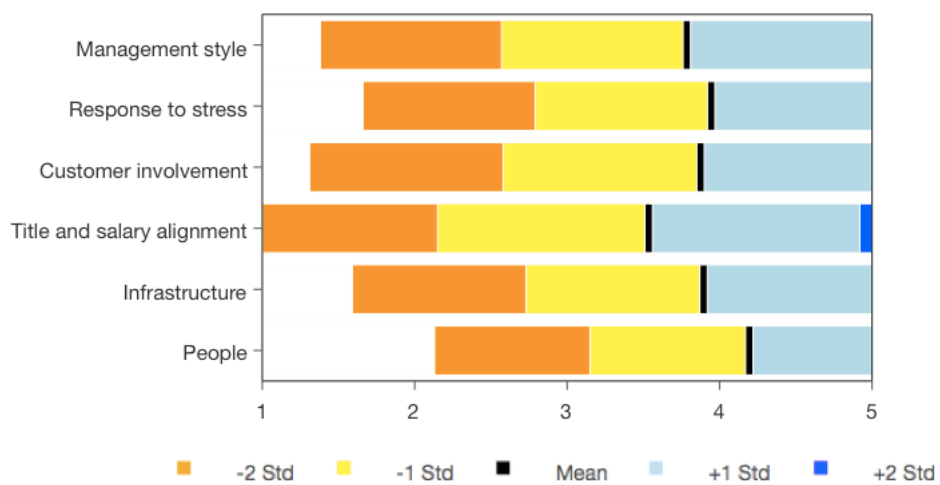
Technical Practices



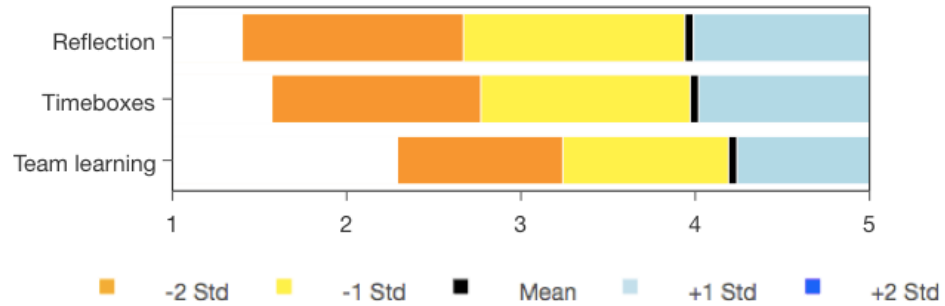
Quality



Culture



Knowledge Creation



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How does a company use this data?

- ▶ Stock their improvement backlog with items for teams (including non-delivery teams) to work on
- ▶ Identify Big Hairy Audacious Goals (BHAGs) to ask teams to meet
 - ▶ Identify leading and lagging indicators of success to gauge and measure progress



Exercise

- ▶ Analyze results in the exercise handout
- ▶ Create an improvement backlog with items for this team





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Future of CA

- ▶ Comparative Agility II
 - ▶ Revised to be balanced and consistent with industry agile trends
 - ▶ Statistical examination of questions to determine correlations and remove statistically unnecessary questions
- ▶ Revision process (Laurie Williams, Kenny Rubin, Mike Cohn)
 - ▶ Map Comparative Agility I questions to agile principles and practices
 - ▶ SurveyMonkey survey
 - ▶ “After all these years, what does it mean to be agile?”
 - ▶ Establish industry acceptance of Agile Principles and practices
 - ▶ Balance quantity of questions related to principles and practices
 - ▶ Elimination, revision and addition of questions

How you can participate



- Visit the website for details:
 - www.ComparativeAgility.com
- Take the survey, its free!
 - Immediately get a report summarizing your answers
- If you want to take it as a team, request a special “collector”
- Community feedback process for Comparative Agility II
feedback.comparativeagility.com

NC STATE UNIVERSITY

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Twitter:	www.twitter.com/krubinagile
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Scrum: A Manager's Guide Book Chapters	tinyurl.com/yj4m72c
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Comparative Agility Website	www.comparativeagility.com
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