StoryWall
A Formative Assessment Model for Empowering Students as Partners in Learning

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UNSW SYDNEY

Summative

Formative

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The StoryWall approach can be used as either a stand-alone formative assessment or an add-on to a summative assessment

1. Stand-alone Formative Assessment

e.g. Weekly Online Discussion Questions

2. Formative Add-on to a Summative Assessment

e.g. Group Project Milestone Submissions and Discussions

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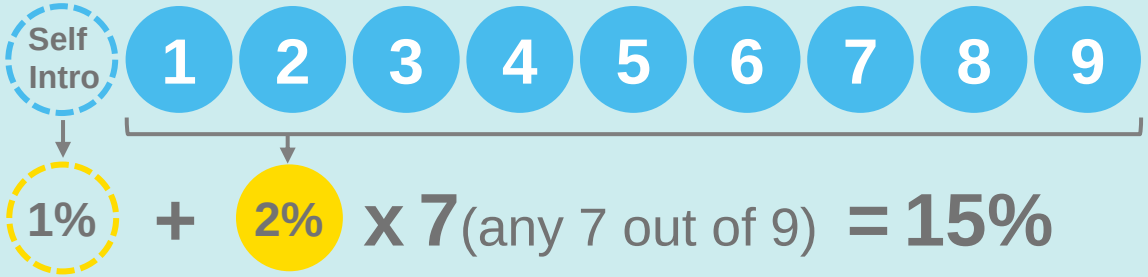
Weekly Online Discussion Question



Student's tasks: 1. Post your answer to the question

other students' posts

2. Respond to at least one of your peers' posts

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Weekly Online Discussion Question - Timeline of events

1. Release of weekly discussion question
2. Problem-solving and discussion
3. Debrief (solutions, discussion summary, feedback)

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Types of questions can be used

A wide range of questions can be used in StoryWall (vs. a mid-term exam or weekly quizzes)

Case Studies

Maths & Stats

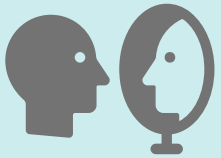
Data Analysis

Coding

Industry Challenges/ Mini-project

Discussion Engagement

Ethics



Self reflection

Examples

ACTL3192

Retirement Saving and Spending Over the Lifecycle

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Weekly Discussion Questions

1 2 3 4 5 6 7 8 9

ACTL3192

When do you want to retire and what is your ideal lifestyle in retirement?

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Weekly Discussion Questions

1 2 3 4 5 6 7 8 9

ACTL3192

What is the value of your human capital?

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Weekly Discussion Questions

1 2 3 4 5 6 7 8 9

ACTL3192

What is your dream job upon graduation?

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Weekly Discussion Questions

1 2 3 4 5 6 7 8 9

ACTL3192

Estimate the value of your human capital using some statistics about the earnings of this job.

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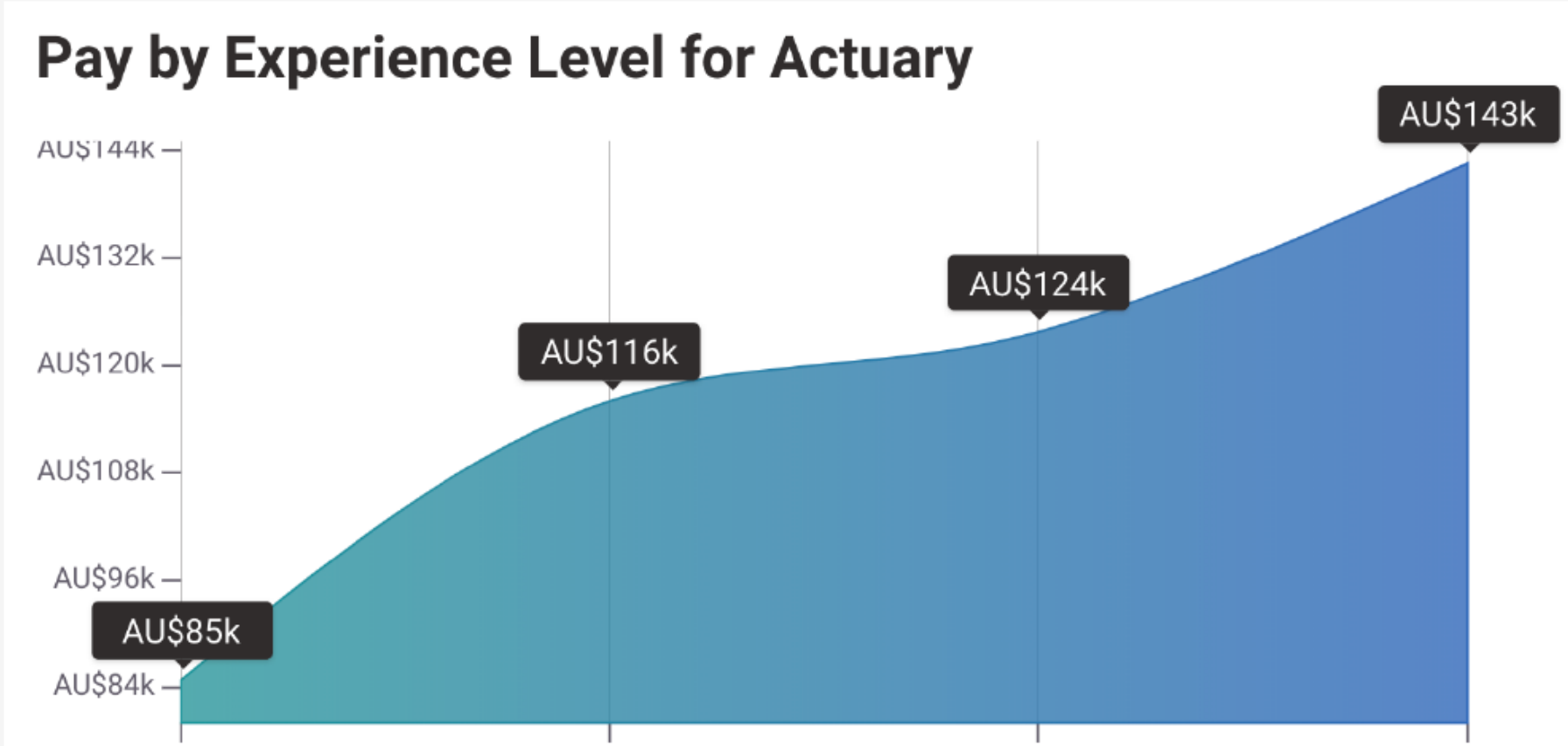
ACTL3

Re: What is the value of your human capital?

by [redacted] - Monday, 23 September 2019, 10:19 AM

My dream job after graduation is to work as an actuarial consultant at one of the larger actuarial consulting firms in practice areas such as banking, health and general insurance.

In order to estimate the value of my human capital, I first went on Payscale to obtain salary statistics for actuaries working in Australia. I found the following graph which shows the average salary by years of experience in the profession.



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Source: Payscale

It can be determined from this graph that pay will increase by 8.1% CAGR for the first 4 years of experience, then increase by 1.7% CAGR for the following 4 years, and 3.6% CAGR between years 10 to 19 of work. The graph doesn't specify how pay will increase after 20 years of work, so I will assume in my own calculations that salary will not continue to grow with more experience in order to be conservative, despite this being very unrealistic in real life. For the sake of simplicity, I will round the growth percentages above and use the following figures for my calculations.

Year	Annual Salary Growth (%)
1 to 4	8%
5 to 9	2%
10 to 19	4%
20+	0%

I will also conservatively assume that pay will increase with inflation to preserve the purchasing power of the salary. The OECD estimates that the future long-term inflation rate in Australia to be 2.5% which I will use for my calculation. The discount rate assumed in my calculation is also 2.5% for simplicity.

In my week 1 discussion post I said that I want to retire between 66 to 67 years old. Since I will be 22 when I start full time work, this means that the duration of my ideal working life will be 45 years.

Combining this all together, **the value of my human capital is approximately $7.43 million.**

ACTL3

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ACTL3

when I start full time work, this means that the duration of my ideal working life will be 45 years.

Re: What is the value of your human capital?

by esday, 24 September 2019, 9:29 AM

Re: What is the value of your human capital?

Re: What is the value of your human capital?

by - Monday, 30 September 2019, 3:39 PM

Sunnie, I like how you include soft skill as part of your strategy to increase your human capital. I think being able to impress people with your social and communication skills are essential for landing a job in this world. More importantly, as we progress up the career ladder, social and people skills are even more crucial since you will be managing a team of people to certain extent. Public speaking skill is my weakness and thanks for reminding me to take that into my future upskill.

I also like how you mention meeting the right people at the right time of your career to support you and give you advice. No doubt that a lot of people deserve promotion at their work, but sometimes lucks are just not on their sides, which is why I think keep networking regularly is important too.

Maximum rating: - Rate...

Permalink | Show parent | Edit | Split | Delete | Reply

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Weekly Discussion Questions

1 2 3 4 5 6 7 8 9

Median Retirement Age	Median Human Capital Value	Surprising HC Numbers?
65	$3.02 million	60%

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Discussion Debrief - the following week's lecture (& motivates tutorial discussions)

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Weekly Discussion Questions

1 2 3 4 5 6 7 8 9

"This (increasing the value of my human capital) could be done by furthering my training or qualifications by, for example, obtaining a Masters degree. This would hopefully increase the average growth in salary per annum, ultimately increasing my human capital value. Further, I could work longer.

Discussion Debrief - the following week's lecture (& motivates tutorial discussions)

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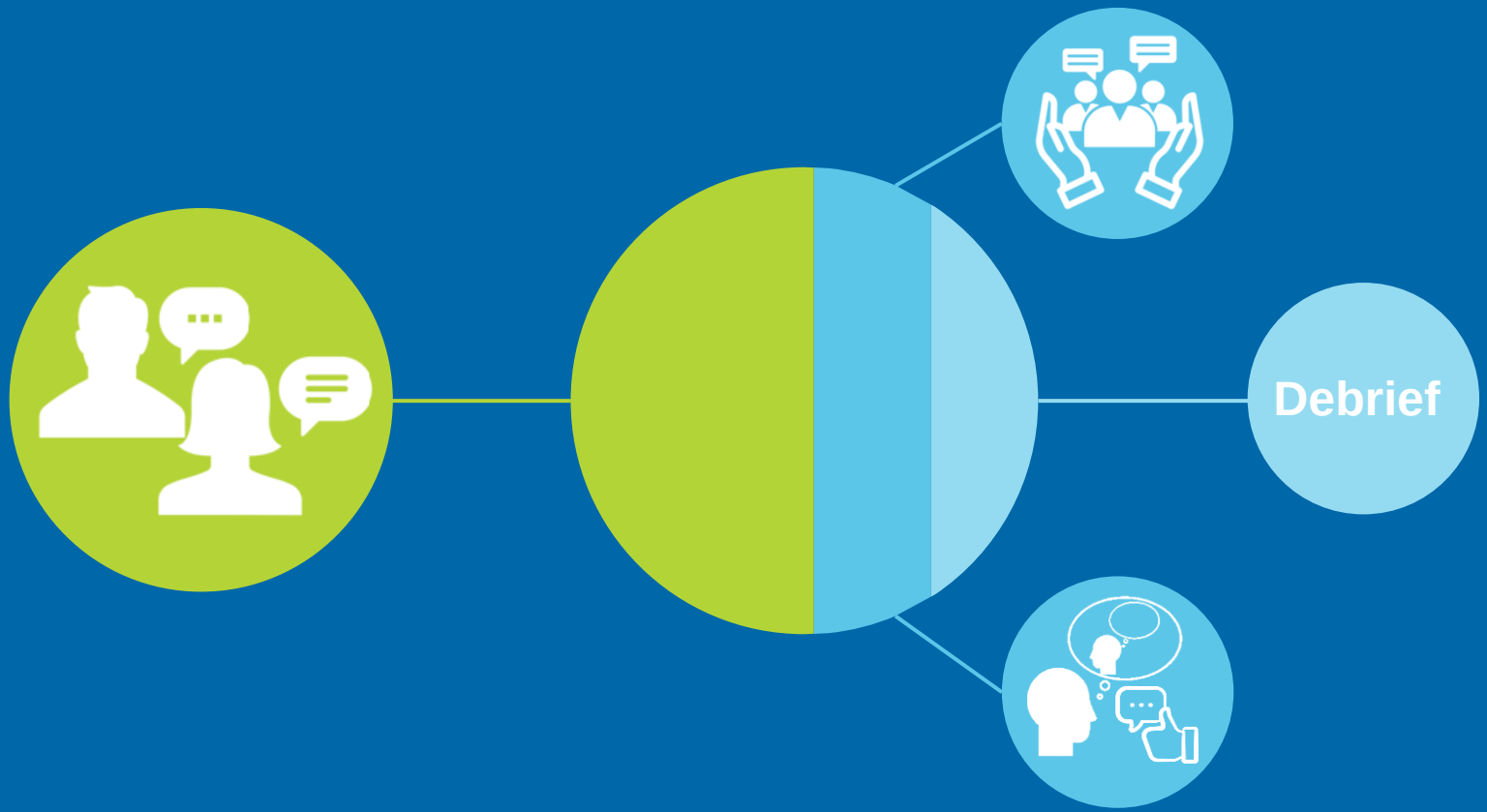
Weekly Discussion Questions

1 2 3 4 5 6 7 8 9



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The Outcome

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Weekly Discussion Questions

1 2 3 4 5 6 7 8 9

Completion

88%

25%

Responses: 280,000 words (570 A4 pages)

2,300 per student

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*“Seeing **feedback from other peers** and the **debriefs** afterwards in lectures. Also, the **low stakes** cannot be understated when evaluating how effective these things are. Assessments for learning tend to result in **more effective learning**, as opposed to the cramming that tends to occur when assessments of learning are done.”*

-Anonymous Student Survey Feedback

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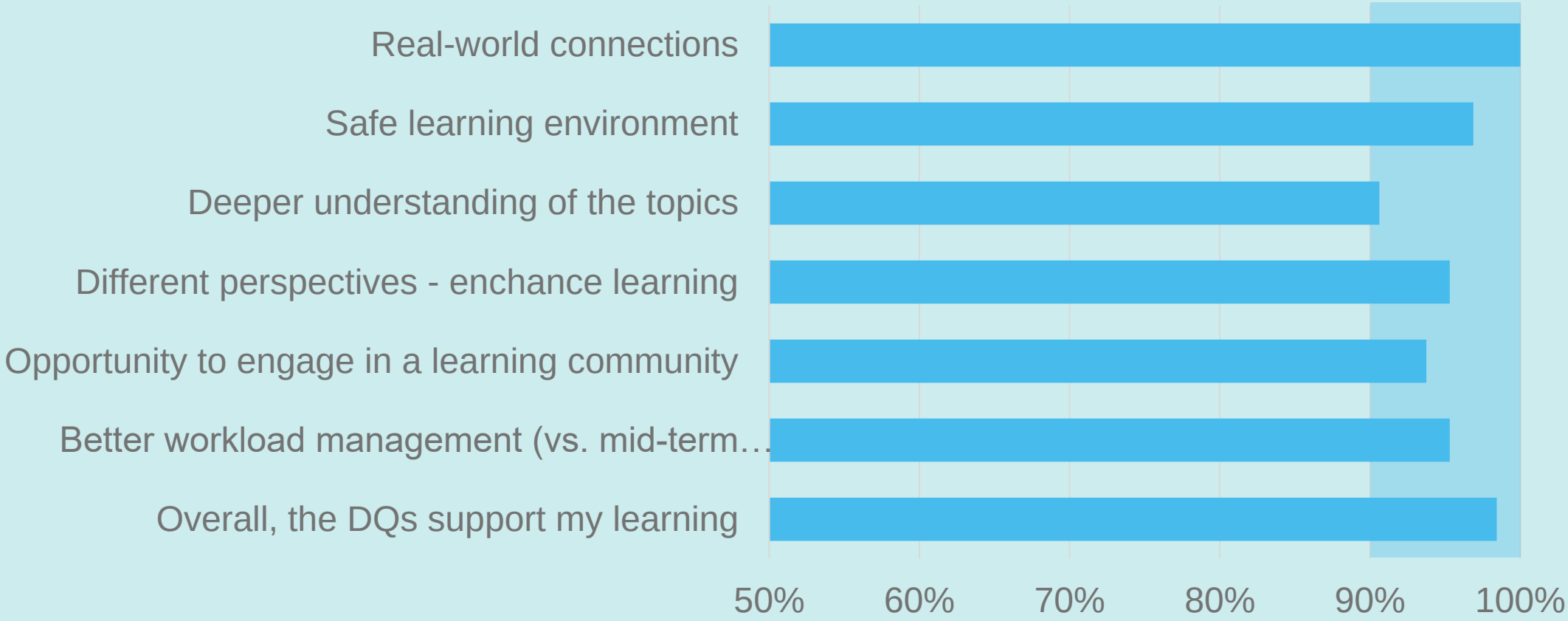
2019 T3, Anonymous Survey (Week 10) - % Agree and Strongly Agree*



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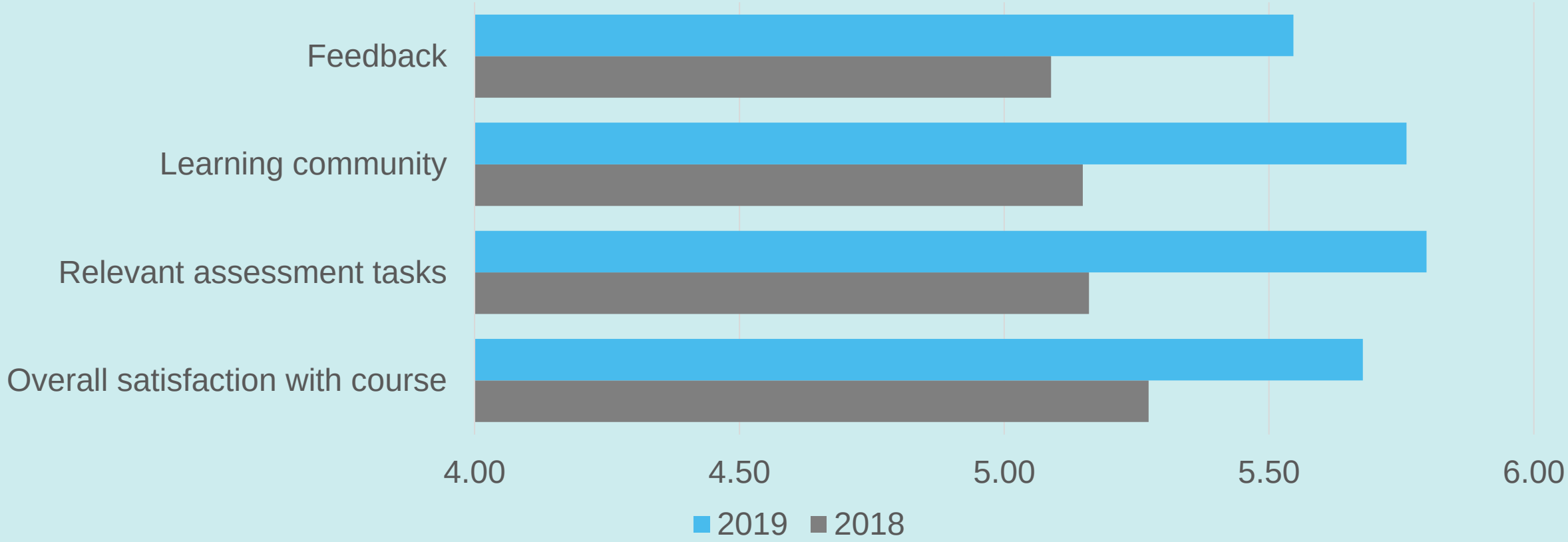
ACTL3192 MyExperience - 2018 (before StoryWall) vs. 2019 (After StoryWall)



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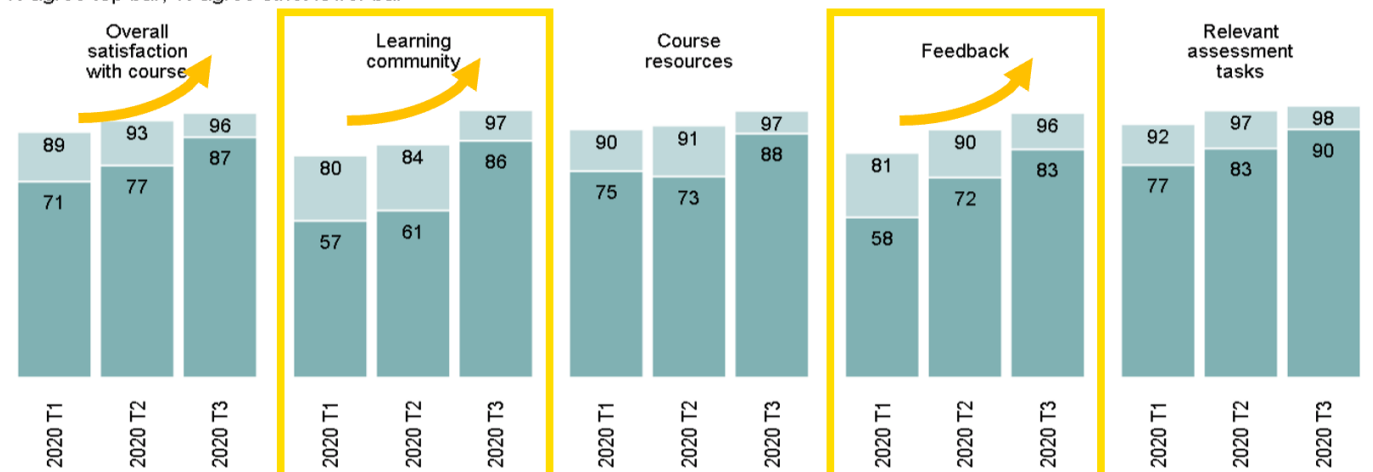
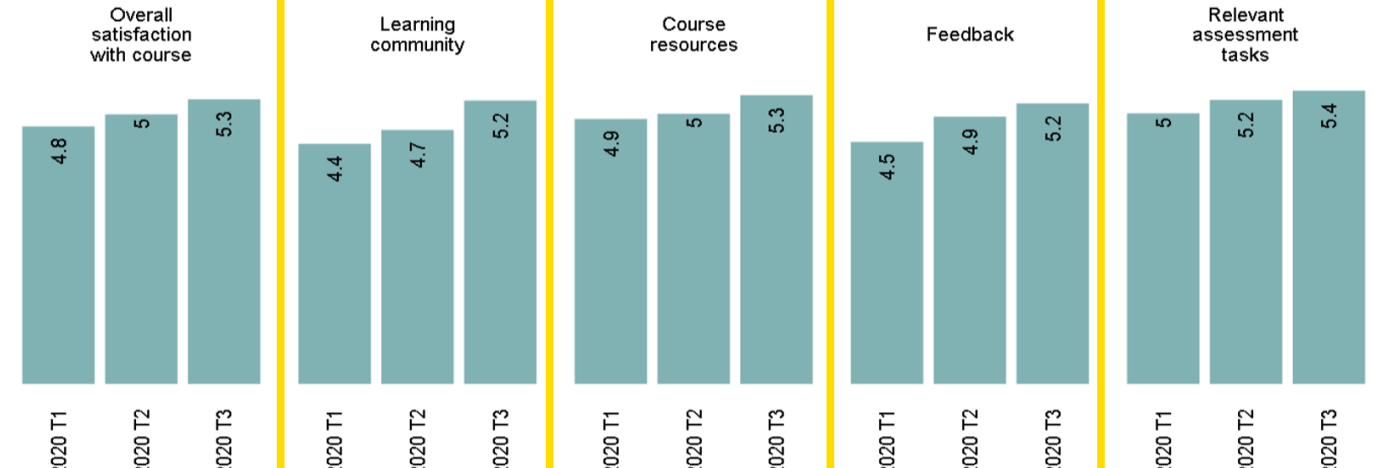
Faculty / school results by question

% agree top bar, % agree strict lower bar



Faculty / school results for selected measure

Mean



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*“I personally had the **best experience** in T3 because of **StoryWall** and online delivery how it blended well with the online lectures plus the ED forum. I taught ACTL3182 and ACTL5109 which are highly quantitative, and the students liked the **community built around StoryWall** where they had the **opportunity of learning from each other**, commenting on various solution techniques.”*

- A/Prof Jonathan Ziveyi, Associate Head of School (Education), School of Risk and Actuarial Studies

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*"**StoryWall** was a very **good experience for me and the students**. I liked being able to look over the students' work in a low-stakes setting and explaining to them why certain items were mistakes. Because the examples were based on more **real-life problems**, it gave us the **opportunity to discuss a richer set of issues** than what we normally can test for in their assessments. The survey results were very good. We had **94% agree/strongly agree** to the last item: Overall, StoryWall supports my learning. The **marking was also quite straightforward**. My tutor was able to do it with minimal instructions."*

- A/Prof Jane Zhang, School of Economics

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Since the introduction of StoryWall in T3 2019

40+ Courses

have adopted the StoryWall approach

1 2 3 4 UG

PG

UG (Level 1-4) and PG courses, including profession accreditation courses

Quantitative and Qualitative

courses in two faculties and five Schools (*Risk and Actuarial Studies*, *Information Systems and Technology Management*, *Finance, and Economics) and BCom IFY course*

Over 12,000

StoryWall assessment completions by UG and PG students at UNSW Business School

Thank you

Scan the QR code for more information.