Skill development programs and community building for better data use

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Introduction

Top 5 data related skills: activity

University of Melbourne: ResBaz, Researcher Connect & Research Platform Services approaches/insights

Monash University: Data Fluency and Library approaches and insights

Sharing your institutional research community experiences and insights: targeted exercise

Building an open community of practice: guided discussion
Introduction

https://twitter.com/wdaali999/status/1161973951565881345
Activity: top 5 data related skills
Approaches

- Over 1500+ participants per yr attend our workshops
- 15 x Graduate Researcher Trainers
- 1 x Product & Marketing Manager
- Equivalent to 4 x FTE
- Python, RStudio & MatLAB most popular tools
- Scaffolded teaching & learning
- Strong focus on community building + events
- Support, professional skill building + career growth for the team of Graduate Researcher trainers

Insights

- It is possible to be creative with Learning Objectives
- Problem-based learning engages Graduate Researchers
- A Graduate Researcher up the front of the room = 2 x the value
- ‘Blended learning’ is not technology > it requires people skills and coaching in good pedagogy
- Faculty engagement is still a challenge!
eLearning & Blended Learning
Welcome to the world of the Research Bazaar! We are a global campaign, community and conference of support for those interested in learning how to use and teach digital research tools. The Digital Research Skills Cookbook provides an introduction to all aspects of the Research Bazaar, including: a brief history of Research Bazaar; how to run a dynamic research community; curriculum for teaching and learning digital tools; and how to start a community of support around current digital research tools. Inside this book you’ll find step-by-step, visual introductions to learning and using a wide range of digital tools such as Python, R, Matlab, TinkerCAD, and Omeka. Each chapter includes both introductory information and “challenges.”
‘ResLead’ empowerment & Community Building
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What is a Reslead?
Awesome volunteers who get involved in the community.
They may:
- Assist during a training
- Teach during a training
- Present their work at a meetup
Agile Ways of Working & Team Cohesion
Monash University: Data Fluency approaches and insights

2019 growth phase
Increase in suite of offerings:
- 2018 - 4 workshops
- 2019 - 18 workshops (+2 express versions)

Increase in number of workshop sessions
2018 - 20; 2019 - 31 (to October)

Increase in number of researchers/staff trained
2018 - 471; 2019 - 889 (to October)

Increase in CoP subscribers
- 883 mailing list subscribers (226, Feb 2019)

Instructors and collaborations
Hybrid model - addresses sustainability
- volunteers and new addition of Associate Instructors

Growth in collaborators:
- 2018 Bioinformatics and Library
- 2019 Research Platforms, eResearch, eSolutions, Faculty research groups eg. SoDa Labs, Econometrics, Data Science, CSIRO
- 2018/9 Discussions with ARDC, University of Melbourne, Deakin University, Pawsey

Challenge - higher workshop drop out rates now that there are more sessions to choose from
Monash University: Data Fluency drop ins

Drop ins - every Friday afternoon

Insights

- ~22% of attendees come back for more than 1 drop in session
- 70% of visitors are looking for bioinformatics related help and are from Biomedicine and MNHS
- Historical connection between dropins + location

Challenge - engaging HASS community

Need to promote drop ins more heavily to HASS areas + offer alternative locations
Data Fluency Toolkit

Link to toolkit
Interactive Discussion: Building an Open Community of Practice

www.mentimeter.com
Next steps?  

Your thoughts?
Next steps

- Collaboration opportunities?
- Resource sharing?
- National approaches?
- You tell us ...