



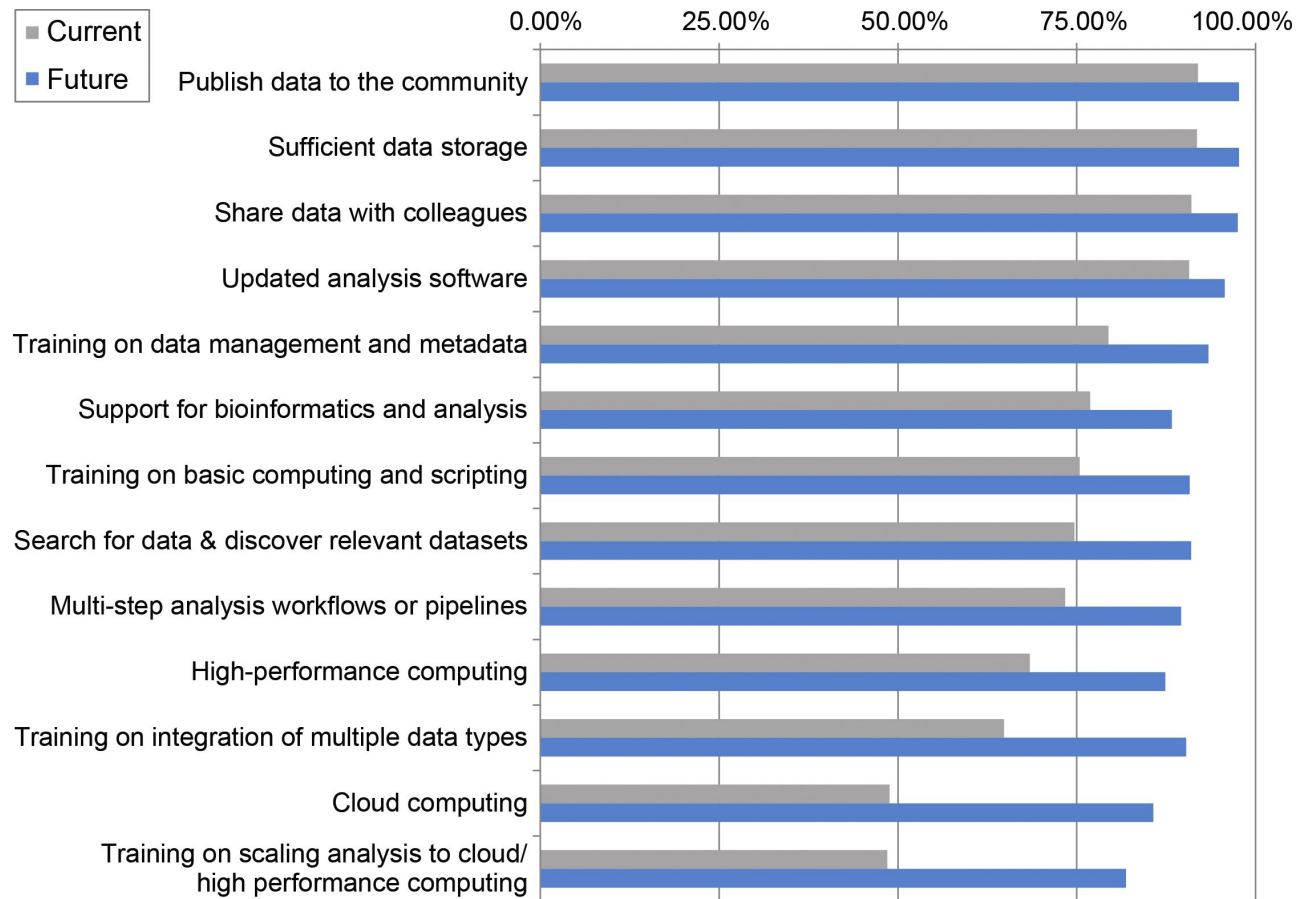
Growing a Data-Ready Continent:

Every Contribution Counts

*UbuntuNet-Connect 2017
2-3 November 2017
Addis Ababa | Ethiopia*

*Anelda van der Walt &
Juan Steyn &
Co-authors from 5 continents*

Data-Related Training - Demand...



[1] Barone et al (2017)

...and Supply

 Pre-Conference Workshop on Introduction to Data Science
and R Programming for Data Analytics
10 - 11 July, 2017

Host: The African Center of Excellence in Internet of Things



Venue: College of Science and Technology main campus in Nyarugenge, Kigali



**1ST NATIONAL SUMMIT ON THE
BIG DATA ECONOMY:
DRIVING THE ECONOMY THROUGH DATA SCIENCE**
Thursday, 12th October, 2017
Eko Hotel, Victoria Island, Lagos

2ND DATA SCIENCE NIGERIA BOOTCAMP
12th - 15th October, 2017
Lekki Peninsula Resort, Ajah, Lagos



AIMS | African Institute for
Mathematical Sciences
SOUTH AFRICA

Data Science Workshop

This workshop will be hosted at AIMS South Africa from 22 to 27 May 2017 and will introduce participants to the mathematical underpinnings, computational challenges, and applications of Data Science.

The CODATA-RDA Research Data Science Summer School and Applied Workshops



10 - 21 July 2017 and 24 - 28 July 2017
Trieste, Italy

Further information:
School: <http://indico.ictp.it/event/7974/>
Workshop: <http://indico.ictp.it/event/8176/>
E-mail School: smr13@ictp.ac.za
E-mail Workshop: smw217@ictp.ac.za

Do you need data training?

Have you attended data training events?

bit.ly/ubuntunet

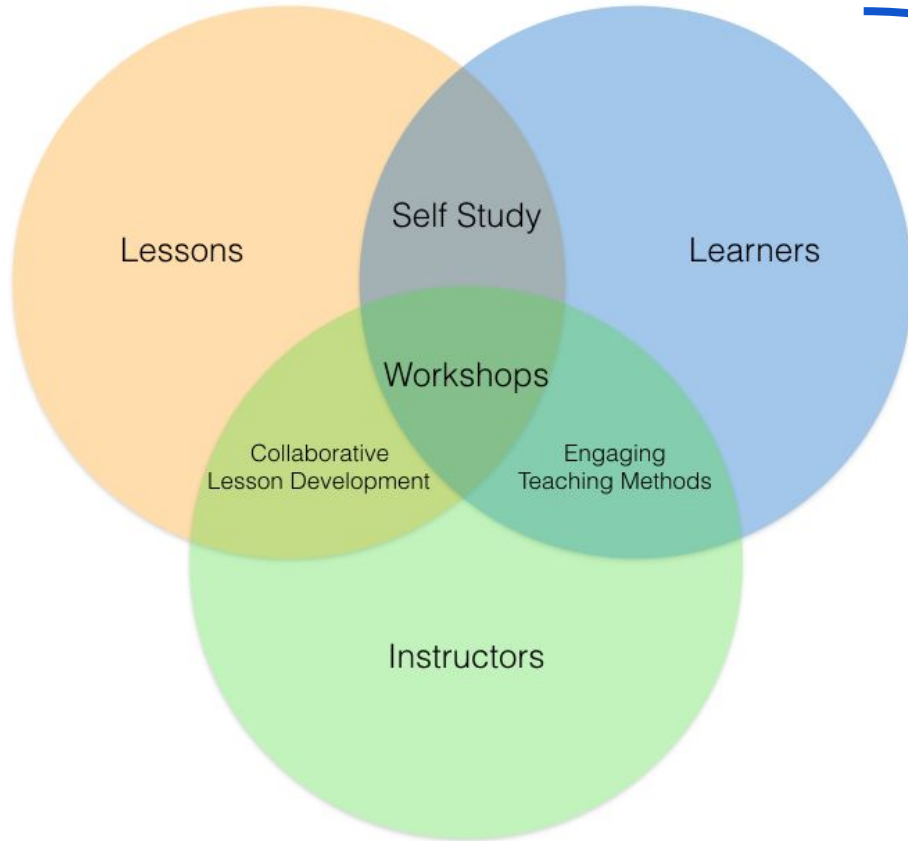
The Carpentries



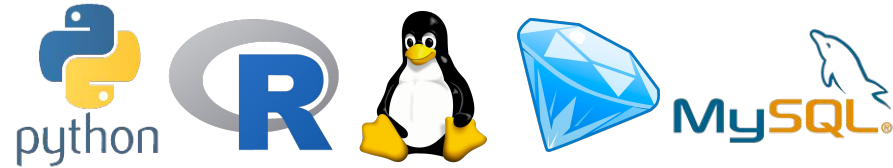
versus



The Carpentries Ecosystem



[2] J Duckles (2016)



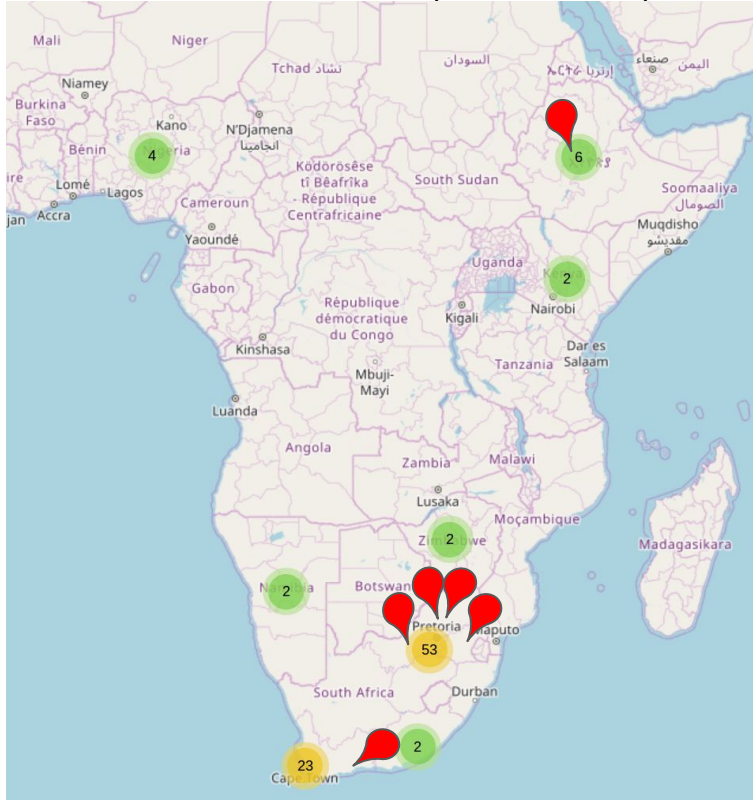
Code of Conduct

Software & Data Carpentry are dedicated to providing a welcoming and supportive environment for all people, regardless of...

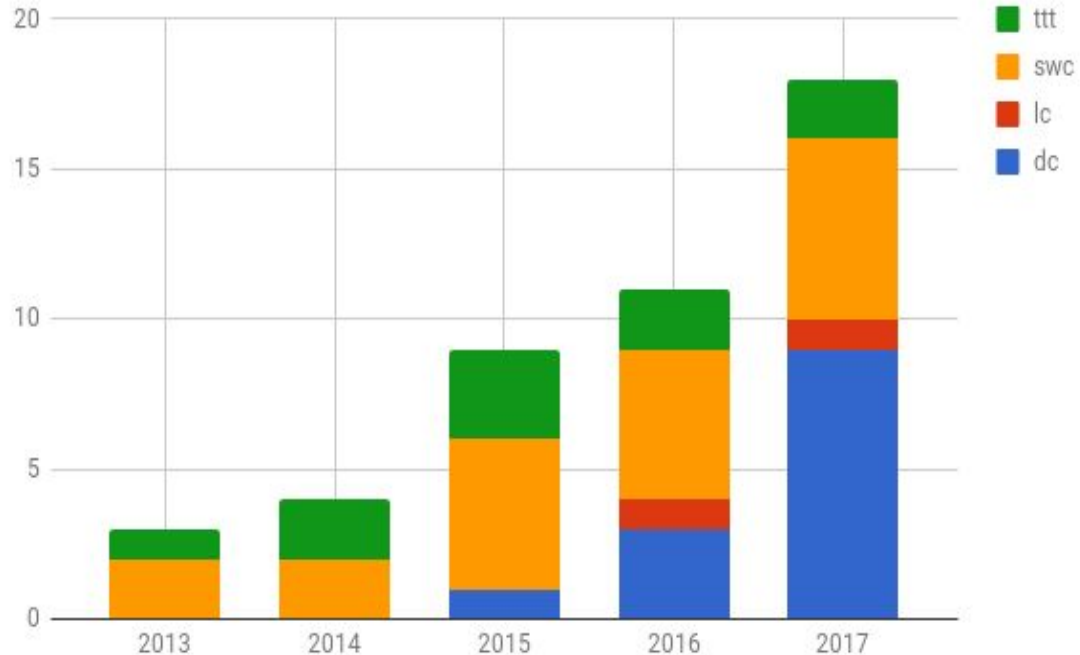
[3] Software Carpentry (2016)

What happened in Africa since 2013?

Instructors and Trainers (2015 - 2017)



Carpentry Workshops in Africa 2013 - 2017



Who Made This Happen?



How do we go forward?

- Help our qualified instructors to teach workshops
- Help trainees to qualify and get involved in workshops
- Train more instructors to have a broader reach across the continent
- Grow more trainers
- Run more workshops
- Become part of the international and regional communities for continuous learning, teaching, lesson development, and more

Interesting Reading

Software Carpentry: <https://software-carpentry.org/>

Data Carpentry: <http://www.datacarpentry.org/>

Library Carpentry: <https://librarycarpentry.github.io/>

Good Enough Practices in Scientific Computing: <https://arxiv.org/abs/1609.00037>

Best Practices for Scientific Computing:

<http://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.1001745>

Carpentries Long Term Impact on Learners:

<https://carpentries.github.io/assessment/carpentries/long-term-survey/report.html>

References

- [1] Barone L, Williams J, Micklos D (2017) Unmet needs for analyzing biological big data: A survey of 704 NSF principal investigators. PLoS Comput Biol13(10): e1005755. <https://doi.org/10.1371/journal.pcbi.1005755>
- [2] Software Carpentry. (2016). Communities: The Foundation of Impactful Workshops. [online] Available at: <https://software-carpentry.org/blog/2016/03/venn-diagram.html> [Accessed 24 Oct. 2017].
- [3] Software Carpentry. (2017). Code of Conduct. [online] Available at: <https://software-carpentry.org/conduct/> [Accessed 24 Oct. 2017].

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Thank you!



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