

Final presentations #3

Jun 11 (Thurs), 2020, 7pm BST ([Your local time](#))

Tech check begins 6:45pm BST

90 minutes

Zoom room (please register to join the call):

<https://us02web.zoom.us/join/9tZcrceCrrj4oG9GZRH6SNJd96wq0P4SI2z-h>

Recording link: <https://youtu.be/PSkwXROZv3I>

Add line numbers to Google Docs with a [Firefox add-on](#) or a [Chrome extension](#).

Roll call

Name / location / pronouns / project

- Emmy / Amsterdam / she , her/ eLife Innovation Leaders <3
- Sara/berlin/ she,her/OpenCider
- Gavin / Chester / he, him / Biomed News
- Stefanie / Ottawa / she, her / MetricsLiteracies
- Raoni / Brooklyn / He, him / BugDoc
- Ian Mulvany / he, him / Mentor
- Lauren Maggio / she, her / Mentor
- Sejal/ Montreal - NYC / She,he/ Science communication for non-English speakers
- Lilly Winfree / she, her / Open Knowledge Foundation + Frictionless Data
- Wai-Yin / she, her
- Delwen Franzen / she, her / Berlin
- Esther Plomp / the Netherlands / she, her / spectator
- Fiona Smith Hale /Ottawa/ she, her /Ingenium
- Pablo Silva / He, him / Mentor
- Gabriela Gaona / she, her, Friendbot
- Christina Semeniuk / she, her / University Faculty member
- Edward Wallace / he, him / New PI and open innovation leader in training
- Jose Monagas / Leipzig DE / he, him / Friendbot

Check-in

Share one thing you hope to learn/learn from this week 💖

- Emmy: looking at collaborative innovation processes that are inclusive and empowering, especially for under-represented and systemically repressed communities. I've just finished [this](#)!
- Gavin: seeing other projects coming together
- Stefanie: Seeing other projects and how "the public" reacts to our projects :)
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- Sara: Peer learning, seeing the thought process and the development of the other projects to be inspired.
- Ian: too discombobulated to have any clear thoughts right now.

- Pablo: To play some new songs on guitar :D
- Sejal: How to play video games properly
- Raoni: Figure out something new that others have discovered during the program.
- Wai-Yin: see the other projects
- Esther: I'm looking forward to learn about your projects!
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- Edward: I want to see how the projects turn out, and learn whatever the cohort want to tell me about.

Agenda

⚠️ Code of Conduct ([full version](#)) (Emmy, 2-3 minutes)

- Be respectful, honest, inclusive, accommodating, appreciative, and open to learning from everyone else.
- Do not attack, demean, disrupt, harass, or threaten others or encourage such behaviour.
- Reporting: please [contact Emmy](#)

Yesterday, STEM and academic communities from all around the world are taking a day (#ShutDownAcademia & [#ShutDownSTEM](#)) to educate ourselves on the important issues of systematic racism and exclusion, and define a plan of action to help combat these issues. Inclusivity and openness to learning is the heart of Innovation Leaders – as the programme host I want to encourage you to take the time to reflect and learn (as we do on these calls), and to continue your work in building projects and communities that are inclusive-by-design and open for all.

Anything that you'd like to share (also, in the check-in section above):

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Aim of this call (Emmy, 2-3 minutes)

- Introduce your project and share progress ✅
- Highlight and recognise any contributors/contributions 🏆
- Receive and offer feedback 🗣️

- Reach out to partners & contributors, explore collaborations and ask for help 🙏

Format (Emmy, 2-3 minutes)

- Everyone should prepare a 7-min update on their project.
- You can use slides– please share them below ahead of your presentation, and we will share your screen during your presentation
- Your presentation will be followed by a 3-min Q&A / feedback session
 - Everyone will be asked to give feedback on everyone else's project, either verbally or through silent Google doc-ing
 - Please leave your name before your comment/question, esp if you'd like the project lead to follow-up with you/you've offered to help!
 - Can be continued asynchronously beyond the call (esp to those who are watching the recording)
- We will follow the order on the agenda for the presentations

Metrics Literacies / Stefanie Haustein

- Slides: <https://doi.org/10.5281/zenodo.3890272>
- Links/resources
 - Short poll at end of presentation: <http://bit.ly/MetricsLit>
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- Notes
 - Problem: Research metrics are important as an indicator for research, there's a lot of papers written about metrics and their literacies, but scholars are usually too time-constrained to read them!
 - Proposed solution: Open educational resources that are easier to consume and digest!
 - Vision: reduce misuse of metrics in academia and discourage the publish or perish culture
 - Goals:
 - Open educational resources
 - audio/visual resources
 - Team: from media production to community outreach 🙌
 - Roadmap:
 - Create OER in various formats
 - Test for efficiency and effectiveness, using a pre-test /post-test set-up
 - Progress:
 - Personas development and storytelling; focusing on making them relatable and memorable
 - Tell Stefanie your thoughts using this google form! <http://bit.ly/MetricsLit>
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- Q&A / comments
 - Sara: I love the focus on training and outreach as well as your strategy. Using podcasts and youtube as medium is progressive. +1

- Stefanie: Thank you! I'm particularly excited to test which formats make people remember most about the metrics.
- Lilly: LOVE the lego visual - that was super informative
 - Stefanie: Thank you so much! That's the reaction we were going for :)
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- Emmy: I really like the easy-to-understand vision - such an important issue to address and easily relatable as a researcher!
 - Beautiful team effort there too! Thanks for acknowledging team contributions (:
 - Stefanie: Couldn't do it without them! Particularly Isabelle, Alyssa and Sanam have been soooo helpful. And a big shoutout to Lauren for mentoring!
 - What are your thoughts on making these audio/visual resources more accessible?
 - Stefanie: We are definitely looking to include subtitles and also translations in different languages.
- Esther: I really liked the overwhelmed slide with the animations + the Lego videos! And the project of course. Podcasts, please!
 - Stefanie: Awesome, thank you! Yes, I already have some students lined up to make a podcast. Now just waiting for the grant to pay them :)
- Edward: Oh my goodness the Lego animation makes the story so clear!
 - Stefanie: OH YAAAAYY! That's the whole idea :)
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- Gavin: presentation looks really good - people will pay attention
 - Stefanie: Thank you so much! I really like making presentations pretty ;)
- Sejal: Are you going to work w/ funding agencies to drive change in how funders use metrics?
 - Definitely considering developing more of these resources targeted towards hiring committees and funders
 - Only using the h-index to keep things a bit more simple at the moment , but definitely will bring in more metrics in the future
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- The overall direction is great. What will you do if you get a positive result on the difference of different methods? It seems like the lead time to create very short resources might be low enough that a legitimate approach might be to take a multi-method approach if there is not a strong indicator of difference between them. I really like the breadth of the group you have assembled for this.
 - Great question! We've thought about this and if we do have the resources, we'd like to use different formats. Even if some might be more effective for the majority of audiences, diversity might be key. For example, you'll definitely be able to bring things across differently (and in more depth) in a podcast vs. a short 5-min video. IMHO the

idea is mostly to identify formats that don't work, so we can focus the production on those which do work.

- Great answer!

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Scicomm for non-english speakers / Sejal Davla

- Slides
- Links/resources
 - Email: sejaldavla@gmail.com
 - Twitter: @JustABrainThing
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- Notes
 - Motivation: the research community is very diverse, and needs for consumption of research output is global!
 - Solution: a platform built specifically for the sharing of research, for non-English speakers, starting from Gujarati
 - Progress:
 - Brainstorming and starting!
 - Identifying stakeholders and talking to technologists, linguists, designers to build something that is user-friendly
 - Starting to build a prototype
 - Call: If you are a developer/designer and would like to help drive this forward - please contact Sejal!
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- Q&A / comments
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 - Emmy: turning an idea into action is NOT easy at all - I really admire your energy and courage to make it happen and make a start 🙌
 - I also think that your approach of first talking to folks to map out the tasks and users' needs is absolutely the right way to go (: (Thanks to you for helping me rethink the process)
 - Also, so glad you're thinking about a code of conduct!
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 - Sara: I love the thought process and I agree, the elife program has had a positive impact on how we approach a project and thinking about the different stages as you outlined. Also, it's a great way to fight misinformation!
 - Sara: Please get in touch if you would like to expand into Arabic, I might be able to help. @ selgebali@gmail.com +1 (Absolutely, thanks)
 - Lauren: Great idea to start off with a single language and then think about how it will scale, especially with the help of experts like linguists.

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- I think the opportunity here is HUGE. There can be fewer things that we do that have higher leverage than giving people aspiration and I can see that this project could push through the language barrier to provide that inspiration to so many people.
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- It's so important to make science accessible to everyone around the world!
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BugDoc / Raoni Lourenço

- Slides
 - https://docs.google.com/presentation/d/1QET1TimhcKI_BVSR6ZJqqhVrNm8u9Z2AmQC5FRyxkVg/edit?usp=sharing
- Links/resources
 - <https://github.com/VIDA-NYU/BugDoc>
 - @raonilourenco on Twitter
 -
- Notes
 - Motivation: Computational pipelines are widely used but often complex, which makes it difficult to identify where it fails (bugs!)
 - Challenge: How to identify the root cause of the failing instance/error?
 - BugDoc:
 - Reports minimal root causes for failures
 - Parallel execution of algorithms (this is as far as my understanding stretch - E ;P)
 - Has been working progress as part of Raoni's research
 - Goals & progress in eLife Innovation Leaders
 - Creating a project that is easier for the community to contribute to and use 🙌
 - -> refined repository, shared roadmaps, open canvas, personas
 - Documentation in another language
 - If you are interested in contributing / help developing the tool, please check the [repo!](#)
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- Q&A / comments
 - Sara: I ❤️🧡💛💚💙💜 so much! Joining elife and learning the importance of community, importance of inclusion, open design! I can't stress enough how amazing the thought process progresses thanks to emmy and elife and all of you!
 - Raoni: ❤️
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- Emmy: the table makes it easy to understand why the *root cause* of the failing instance is difficult to identify - thanks!
 - I really like the portuguese documentation idea!!!! +1 +1 +1
 - Also - it sounds like you're solving every programmer's dilemma - i can see this being very popular (:
- Edward: Open by default → Open by design ++++
 - Extra congratulations on getting the PhD! It is hard to do that at the same time as making tools for other people.
- Congrats Raoni!! +1
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- Pablo: Getting pipelines for ML running is very different from the traditional pipelines for software, it's awesome to see your work to help and debug this kind of environment! I've been working for some time in pipelines for chatbots, I've faced some of the issues in that area, I just gave a star on the repo :P
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BiomedNews / Gavin McStay

- Slides
 - https://docs.google.com/presentation/d/16HfY8s9ogrCJ_EZhTNZNsiYmxlQFR9TwW7yQqAmg79M/edit?usp=sharing
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- Links/resources
 - Website <http://biomed.news>
 - Open a report http://biomed.news/open_a_report
 - Sign up for a report <https://forms.gle/zYigm9563mkxa42Z7>
 - Twitter <https://twitter.com/BiomedNew>
 - Facebook <https://www.facebook.com/biomednewsbims/>
 - My e-mail: gavin.mcstay@staffs.ac.uk
 - My twitter: @gavinmcstay2
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- Notes
 - A community of experts curating reports on literature of their research area and interest
 - Before:
 - 21 experts - 24 reports
 - Running on borrowed compute and storage
 - Communicated externally via social media (see above)
 - Goals:

- Understand how to interact with the community, identify gaps and opportunities 🙄
 - Improve communication
 - Progress:
 - Vision statement
 - Roadmap
 - Community plans, e.g. Mountain of Engagement
 - Marketing channels
 - Challenges:
 - Difficult to communicate the value of the platform and community
 - Visual appeal of current platform
 - More transparency around communicating values, community members and roadmap
 - Future steps:
 - Improve ML algorithm
 - Better website infrastructure and documentation
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- Q&A / comments
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 - Lauren : Is there any signaling as to whether the suggested papers are freely accessible (PMCID?, etc.) +1
 - Stefanie: Should be fairly easy to integrate with Unpaywall +1
 - Gavin: not now at the moment
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 - Emmy: I'm really happy that you're exploring open science and the power of community (:
 - What do you think is the most important communication channel at this point - where are most of your experts and readers?
 - Can developers/data scientists/designers help you out? If yes - how?
 - Thanks for acknowledging your current community's effort!
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 - Sara: I'm a scientific curator, can I help with something?
 - Any business models around this?
 - BMJ innovation fund _might_ be able to help
 - Thank you Ian - I will get in touch
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 - Stefanie: Really like how you reflected on the different exercises and which ones you're planning to do down the road - I have a similar plan, just always felt bad that I hadn't gotten to it during the respective week
 - Definitely feel the same - but so many good things to tackle
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 - Sejal: Thank you for this wonderful tool. I will certainly encourage others to use Biomed news
 - Thank you Sejal - please tell your friends.

OpenCider / Sara El-Gebali

- [Slides](#)
- Links/resources
 - <https://selgebali.gitbook.io/opencider/>
 - Kickoff meeting signup:
<https://docs.google.com/forms/d/e/1FAIpQLSfTevDYydUJAJaG-CH5lhF846HxtHHoJSzbug2FI7pBDXvzg/viewform>
 - Newsletter: <https://buttondown.email/OpenCider>
 - Survey:
<https://docs.google.com/spreadsheets/d/1S1Xcghi2Y7RqUCHcv6RTHtQogcSJVDb160SWDjnOcys/edit?usp=sharing>
 - Text to share:
https://docs.google.com/document/d/1oxrA5Qlgj35_7ltW2Gpi8iSYfFBqGqYOmYKBP7NUTio/edit
 - Email: selgebali@gmail.com
 - Twitter: [@yalahowy](#) [@OpenCider](#)
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- Notes
 - OpenCider: Open Computational Inclusion and Digital Equity Resource
 - Progress:
 - Defined scope!
 - Defined user and mapped their needs
 - Developed MBP
 - User engagement & building a community
 - Vision:
 - A valuable resource for effective knowledge transfer and building inclusive communities
 - Foci:n
 - Knowledge-sharing
 - low-/mid-income communities
 - open, accessible, adaptable resources
 - Many potential user needs and requirement
 - Come for the info - stay for the community (I credit Antonio Schettino for this line ;) - E)
 - If you have any thoughts/resources/knowledge/know hows, or if you would just like to join a fantastic community - [join the kick-off meeting!](#) There's also text to share above - translations will also be super helpful!
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- Q&A / comments
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 - Emmy: I never said this before, but I do really enjoy the acronym (:

- LMICs also (imao) usually doesn't have the best internet connectivity- wondering what your thoughts are in including them in your community programmes? (you kind of partially answered this :p)
 - I love the way you phrased your user needs in questions!
 - That is an amaaazing mid-screen call to action :D
- Ian: This is really interesting. We have been developing a ton of resources for Global Health that assist with clinical decision making and basic training in emerging economies. We have also identified the importance of the wider health practioners in aiding global health, and not just tier one health systems. We are facing the need to have to re-engineer our platforms to work in low/no bandwidth environments to be able to deliver on this vision.
- In terms of low-bandwidth computational environments - I know that this is something that Richard Smith-Unna has looked at, using tooling built on top of DAT. <https://github.com/Blahah> -> this project <https://www.biomaker.org/projects/strengthening-synthetic-biology-capacity-in-kenya-through-bioinformatics-training>.
- Hao: I love the acronym and the project! I'm getting started with developing OER modules for research reproducibility (as broadly defined, including computational training, and data science) as part of my new job as reproducibility librarian at the University of Florida. Would love to chat about sharing materials, efforts, collaborations, etc.
 - one area of focus is on how open science can operate in spaces where data-sharing is constrained (e.g. because it's protected health information) -- lots of overlap here in the concept space between informed consent and data ethics
 - example module -- <https://uf-repro.github.io/data-organization/>
 - oh I should probably add contact info: haoye@ufl.edu
twitter: @Hao_and_Y
- Pablo: Amazing how you turned the do and dont's and all your ideas into a really great MVP and platform, this project is awesome \o/ ←--Best Mentor Ever !(Sara) +1
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- Esther: Love this project! I signed up to your newsletter but can't attend the kick off unfortunately. Best of luck with the kick off!
- Stefanie: This is an amazing project! I am not sure how, but if you think I can help in any way, let me know: stefanie.haustein@uottawa.ca / [@stefhaustein](https://twitter.com/stefhaustein)
I signed up for the kick-off too, hoping to make it!
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Friendbot / Gabriela Gaona, Jose Monegas & Paula Mosera

- Slides:
https://drive.google.com/file/d/1QOeXbWPHN- u8ea_6DnxzdI0VNnRR4dN/view?usp=sharing
- Contact Details:
 - Gabriela: gaby.lorely@gmail.com TW: @GabyGaona LinkedIn: <https://www.linkedin.com/in/gabriela-gaona/>
 - Jose Monagas: jrafamonagas@gmail.com
- Links/resources
 - <https://github.com/loorely/friendbot>
 - <https://www.facebook.com/friendbot.chat>
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- Notes
 - Motivation: bullying is a prevalent problem amongst teenagers
 - Progress:
 - With the help of mentor Virginia, redefined target audience for the tool
 - Developed user personas and further understanding of needs of target users
 - Developing a new prototype and testing w/ children in Paraguay and Uruguay
 - Form alliance with team of psychologists to help develop the required dialogues and algorithmic requirements
 - Contributors and challenges
 - Bastian! Connected with expert specifically working in this field
 - Spam control
 - Storage security challenge - remove all personal information for now
 - Panic signal - how do we react in a situation where urgent intervention is required
 - When we have the new version, please help test! [demo was shown at this point]
 - Future directions:
 - Hope to complete new prototype and test!
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- Q&A / comments
 - Gavin: my university - Staffordshire University in the UK uses an AI chatbot for student queries - its called Beacon and is available as an app
 - Emmy: beautiful personas (love the graphics)! I'm very glad to hear that you successfully redefined your target audience (: +1
 - Also i'm very glad you've connected with a wider expert community! Hope the collaboration will be sustained

- I feel like the demo convo needs a bit of refinement, but it's amazing that this is all machine learning. Maybe the psychologists could help you with that?
- Stefanie: Great project! I love the personas! Did you design the visuals, they are really cool! +1 +1
I also really like the video, it brings the project to life!
- Pablo: I've been working with chatbot development, but mostly using open-source with the Rasa framework, have you considered changing your bot to open-source technologies?
 - Dialogueflow, which we're going to try first with, is open-source (:
 - Since Dialogueflow is owned by Google, I didn't realise it was open-source, but nice, I'll surely check it out! Awesome work, it is really hard to gather and understand this kind of data and dialog inputs for such complex domains :)
- Sejal: Wonderful project
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Reflection – verbalise, silent gDoc & +1s (group, 5-10 mins)

- What is the most useful/memorable thing that you learnt in the programme/today?
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 - Talking and sharing ideas is synergistic!
 - Silent gDocing - I think it could be great in the classroom
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 - Esther: Sharing your ideas can lead to great actual projects! And also, google docs have number lines if you install an add on.
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 - Gaby: Start thinking about behaviors that we must have to be leaders in our teams. I learned a lot from the experience of the other participants.
 - Stefanie: I learned so much, and I feel like I haven't even scratched the surface yet! I will definitely go back to the resources and video recordings in the future. I also learned much about online teaching and learning, too! Love silent gDocing :D
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 - Sara: Being inspired by all the people behind those great ideas, people really working for the greater good and I'm amazed at how inclusive and diverse the group really is! I think a lot of effort has gone into this, the selection process.

- Who would you like to thank on this journey, and why?
 - Stefanie: That's very easy: Emmy! You put so much effort in this and your enthusiasm about all the projects was so wonderful! +1003
Also Lauren Maggio - having her as a mentor has been really helpful and I am so happy she has offered to continue the mentorship beyond the program.
 - Gaby: Emmy! For putting a lot of effort to keep everyone on track.
 - Sara: Emmy! & Pablo !!!! +1 +1
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 - Gavin: Emmy, Emmy, Emmy - hip hip hooray! Thank you so much.
 - Thanks Emmy for all your wonderful work!
 - Thanks Emmy for all your work through multiple time zones. +1
 - Pablo: Emmy worked a lot, we can all recognize that, thank you very much for your effort and time to make all this happen! Also, thanks Sara for your effort and work, you did awesome and I'm really happy to have met and worked all this time with you :D (Sara:  )
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Assignments

- If you are watching the recording – please leave feedback for all presentations
- Any potential contributors/collaborators to follow-up with? Remember to engage in the next couple of days!
- Experts are available for consultation until the end of the month – please make good use of the opportunity, ask your mentors to set up consultations!
- Watch out for emails re surveys, 1:1s, video and graduation certificates
- Q&A about assignments
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Feedback on this session (asynchronous)

- What worked?
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- What didn't work?
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- What surprised you?
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- What would you change?
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