Ethics Final Project: Kiana Kerr, Ashley Ufret, Théa Williams
Final Project Task: Description Expectations Grading Rubric
Due: November 28, 2022

Rubric/Status

Rubric	Components	Next steps:	Notes/resources/links
Topic F - Does not clearly articulate topic C - Describes topic B - Describes topic fully A - Describes topic and nuances	**Topic** Internet access should be regulated as a public utility. **Nuances:** Some areas technically have service, but may be cost prohibitive. Physical devices (computers, modems, routers & lack of knowledge/training in usage). Arguments against it (e.g., too expensive for ISPs to create infrastructure in low population areas/return on investment)	Thea & Ashley Explain what it means for a service to be considered a utility.	Research legislation in progress - https://www.nysenate.gov/legislation/bills/2021/A7412#:~:text=This%20act%20shall%20be%20known,economy%2C%20education%20and%20civic%20life. Super useful summary of the issue
Exposition F - Does not fully describe topic C - Cursorily explains topic B - Explains topic and demonstrates knowledge of topic A - Explains topic and nuances and demonstrates knowledge of both	**Topic:** Background info. - what is the digital divide, why do we care, problems that arise out of it. Reasons for not having broadband: -not available where they live -Cost of broadband **Nuances:**	Kiana & Thea Gather data for reporting and visualization	broadbandtogether.org - to investigate the state of internet access throughout the country (analyze the cost, quality, and speeds that are being delivered to better understand the factors that affect the price and why consumers pay different rates for the same service) Data set from FCC Form 477 - “Block code” is from 2010 census, which will obviously be out of date for current census data (block codes by state

			here)
Ethical Concerns F - Does not articulate ethical concerns C - articulates ethical concerns on one side of the issue B - articulates ethical concerns on one side and opposing influences on other sides A - articulates ethical concerns on multiple sides	Ethical concerns side 1 (against us): Concerns that are against our case - environmental concerns with laying down fiber in forested areas - Stifle innovation through monopoly (see electrical utility issues) (counterpoint - we need to invest more into electrical infrastructure too) - Cost to consumers (due to monopoly) Ethical concerns side 2 (against opposing, for our case): Access is now a necessity for civil participation (information distribution, taxes, school registration, medical benefits, etc.), no longer a luxury Additional ethical concerns and implications: - Municipal or community broadband would still restrict access to certain locations, times	Kiana & Thea Find census data to cross-reference. Thea & Ashley Research ethical concerns on our side. Kiana Look for ethical concerns against our side	Consumer Reports Survey Nearly a quarter of Americans (24%) who have a broadband service at their home say it's difficult to afford their monthly broadband costs. A larger percentage of Black, non-Hispanic (32%) and Hispanic (33%) Americans than white, non Hispanic Americans (21%) say it's 'somewhat' or 'very' difficult to afford their monthly internet costs. Information regarding FCC reclassification/regulation from 2014 and 2018 net neutrality battles: 2014 (with update summary of what's happened since then) 2016 (WP opinion on why net neutrality was bad) 2018 (repeal of net neutrality) Dig Once
Ethical justifications F - Does not justify any side of the issue C - Justifies one side of the issue B - Justifies one side and explains an opposing view	**Ethical justifications side 1:** Pros for our position - Would ensure more equitable broadband access for people across socioeconomic, ethnic, and geographic lines - Would improve affordability for people who theoretically already have access but can't afford it	Thea & Ashley Research ethical justifications for our side. Kiana Look for ethical justifications for opposing sides	Affordable Connectivity Program https://broadbandmap.fcc.gov/data-download Opposing arguments

A - articulates arguments on multiple sides	**Ethical justifications side 2:** Pros for the opposing position - Claim that it's "not necessary" because most households have access to at least two ISPs, and competition keeps prices lower - Won't fix the problem (costs of getting access to remote locations are still high) **Justifications for additional ethical concerns and implications** -municipal/community broadband renders the change we are asking for unnecessary		
Coding Design (coding component required to receive a passing grade on project) F - No coding component C - Coding component is appropriately designed for selected topic. B - Coding component is well designed to explore the selected topic A - Coding component is well designed, explores the topic and either further illuminates or reinforces the ethical justifications.	Coding design plan: Brainstorm: Idea 1: Platform: Python/R Description: Data visualization Idea 2: Platform: Scratch Description: Tool for education, spreading awareness Community Participation: Create a challenge for students to remix or create their own project on the digital divide.		

Coding Implementation F - code does not run or does not implement stated design C - Code runs and exhibits stated design B - Code runs, exhibits stated design, demonstrates ethical issue A - Code runs, exhibits stated design, demonstrates ethical issue, and is well structured/written	Does it accomplish what it was intended to? Is it readable/clear (comments)? Does it run? Ill be back on in a min		
Coding Complexity F - code does not include fundamental data structures / algorithms C - Code attempts to implement fundamental data structures / algorithms B - Code exhibits fundamental algorithm or data structures and runs A - Code exhibits complex algorithms and data structures and runs	Does the code contain complex algorithms and data structures?		
Presentation (slide deck) - not in rubric but IS included in deliverables	Slides: ☐ Topic ☐ Exposition ☐ Ethical Concerns 1-3 ☐ Ethical Justifications 1-3 * (Or 1 slide for each ethical concern and		

	corresponding justification) ☐ Code overview *With picture linked to site		
Deliverables: After all items above are completed PDF of presentation PDF of paper The Code component Place all 3 items in the final_project folder of all team member's repos on GitHub	1. PDF of presentation (I.e., If you make a slide deck, export it to a PDF version.) optional: slide deck or other content in its original format (slide deck, document, etc) Any code you use or cite. Location/format: <reporoot>/final_project/* 2. PDF of the paper. 3. Code component (MD with link to scratch project and screenshots of code/output & description of code component (what does it do at run? Complex algorithms/data structures? How it explores/illustrates the topic?	Thea & Ashley Create and share GoogleDoc Create and share Google slide deck. Create PDFs of presentation and paper Place all 3 items in the final_project folder of all team member's repos on GitHub	

*There must be a code component to your final project. This code component does not have to be polished but it should be used to either explore, illustrate your topic. It can be an implementation of something related to the issue. For example, a program that splits congressional districts or determines bail amount. It can also be tangential. For example, if your issue has environmental concerns a simulation that illustrates these issues. You can use any programming language as long as the instructors can run it.

Resources:

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Exposition F - Does not fully describe topic C - Cursorily explains topic B - Explains topic and demonstrates knowledge of topic	Topic:		

A - Explains topic and nuances and demonstrates knowledge of both	Nuances:		
Ethical Concerns F - Does not articulate ethical concerns C - articulates ethical concerns on one side of the issue B - articulates ethical concerns on one side and opposing influences on other sides A - articulates ethical concerns on multiple sides	Ethical concerns side 1: Ethical concerns side 2: Additional ethical concerns and implications:		
Ethical justifications F - Does not justify any side of the issue C - Justifies one side of the issue B - Justifies one side and explains an opposing view A - articulates arguments on multiple sides	Ethical justifications side 1: Ethical justifications side 2: Justifications for additional ethical concerns and implications		
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