





Artifacts Selection .

Key Questions We Ask:

- Did the repo include all necessary code?
- Was the dataset public and accessible?
- Were instructions up to date?
- Any issues with dependencies or hardware?
- How close were our results to theirs?

Score Card

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	Paper Availability	Availability of Code and Software	Availability of Datasets	Computer Requirements	GPU Requirements	Documentation Quality	Ease of Setup	Reproducibility of Results	Rating
	1: Unavailable/Imp ossible to find. 2: Paywalled/Very hard to access. 3: Available, but via obscure link. 4: Open-access, direct link. 5:Open-access, easily searchable.	1: No code/Private repository. 2: Code available, but major parts missing/broken. 3: Code available, incomplete/nee ds big fixes. 4: Code available, mostly complete, minor issues. 5: Code fully available, complete.	1: dataset missing. 2: Mentioned, but completely inaccessible. 3: Available, but very hard to find/access. 4: Available, but metadata is poor/incomplete 5: Fully accessible with complete metadata.	1: No info/Impossible to meet. 2: Vague/Requires rare hardware. 3: Specific, but hard to meet. 4: Specific, but common hardware. 5: Clear, common, and flexible hardware.	1: No info/Mandatory custom GPU. 2: GPU required, vague/high-end specs. 3: GPU optional, specific specs. 4: GPU optional, common specs. 5: No GPU required (CPU-only).	1: None or misleading. 2: Very poor 3: Basic or needs much interpretation. 4: Clear but few details. 5: Comprehensive & clear.	1: Cannot be run due to critical issues or missing parts. 2: Can't run without major problems; needs expert help or significant workarounds. 3: Can be run with some effort; requires troubleshooting or minor fixes. 4: Runs well with minimal effort; minor adjustments might be needed. 5: Runs perfectly by simply following the instructions; no issues.	1: Cannot be run due to critical issues or missing parts. 2: Can't run without major problems; needs expert help or significant workarounds. 3: Can be run with some effort; requires troubleshooting or minor fixes. 4: Runs well with minimal effort; minor adjustments might be needed. 5: Runs perfectly by simply following the instructions; no issues.	1 (Impossible): Cannot be run due to critical issues or missing parts. 2 (Very Difficult): Can't run without major problems; needs expert help or significant workarounds. 3 (Doable): Can be run with some effort; requires troubleshooting or minor fixes. 4 (Mostly Smooth): Runs well with minimal effort; minor adjustments might be needed. 5 (Plug and Play): Runs perfectly by simply following the instructions; no issues.



What it does:

Automatically finds ways to bypass website paywalls and ads.

HAMPTON UNIVERSITY

Our Experience:

- Code was available, but instructions were very outdated.
- Major Python version and software conflicts prevented it from running.
- Hardware issues (Docker/virtualization) were a dead end.

BFT Detector Demo Hyperlink

Reproducibility Rating: 2/5 (Very Difficult)

Couldn't run the project to compare our results.

BTF Detector Scorecard

Paper Availability of Availability of Computer GPU Documentati Ease of Rep	Reproducibili Rating
	ty of Results
Detector paper was accessible, but the exact installation method wasn't clear, suggesting it wasn't a direct, easy find. Detector paper was accessible, but the exact installation method wasn't clear, suggesting it wasn't a direct, easy find. Datasets OS and Python require were were and due to clear links or instructions outdated in the extensive virtualizatio or instructions outdated in the extensive virtualizatio or instructions outdated in the extensive outdated in the occurrence outdated in the extensive virtualizatio or instructions outdated in the extensive outdated or instructions or instructions outdated in the extensive outdated or instructions outdated in the extensive outdated or instructions or instructions outdated in the extensive outdated or instructions or instructions outdated in the extensive outdated or instructions or instructions outdated in the extensive outdated or in the extensive outdated or in the host making outdated in the post outdated in the extensive outdated or in the extensive outdated or in the extensive outdated in the extensive outdated or or in the extensive outdated in the extensive outdated or or in the extensive outdated or or in the occurrence outdated in the extensive outdated in the extensive outdated or or or extensive outdated in the extensive outdated or	1) We couldn't get the project to run at all, so we couldn't execute any experiments or verify the paper's claimed results. 2 (Very Difficult): Can't run without major problems; needs expert help or significant workaroun ds.



Fairify Scorecard

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	Paper Availability	Availability of Code and Software	Availability of Datasets		GPU Requirement s	Documentati on Quality	Ease of Setup	Reproducibili ty of Results	Rating
Fairify	4) The research paper (2212.06140 v2.pdf) was easily found and accessed, and its GitHub repo was clearly referenced.	4) The project's code was publicly available on GitHub, and we could clone it. All necessary parts were there.	5) All Al models and testing data, including German Credit (GC), were provided within the GitHub package and were accessible.	3) It required a specific older Python version (3.9) not standard on our modern Kali system, needing special pyenv setup.	5) No GPU was strictly needed; the tool successfully ran using only the CPU, even with TensorFlow warnings.	2) Instructions were insufficient for common setup issues (like Python version fixes, pyenv setup, and missing output folders), requiring much external troubleshooti ng.	2) Setting it up was very difficult due to Python version conflicts, pyenv setup issues, and the persistent problem of results not being saved.	1) Even after the script ran for hours, no result files were generate d. We could not get the project to produce verifiable output, making true reproduc tion impossib le.	3 (Doable): Can be run with some effort; requires troubleshooti ng or minor fixes

Project 3: Bad Snakes

What it does:

Evaluates tools designed to find malicious Python packages on PyPI.

Our Experience:

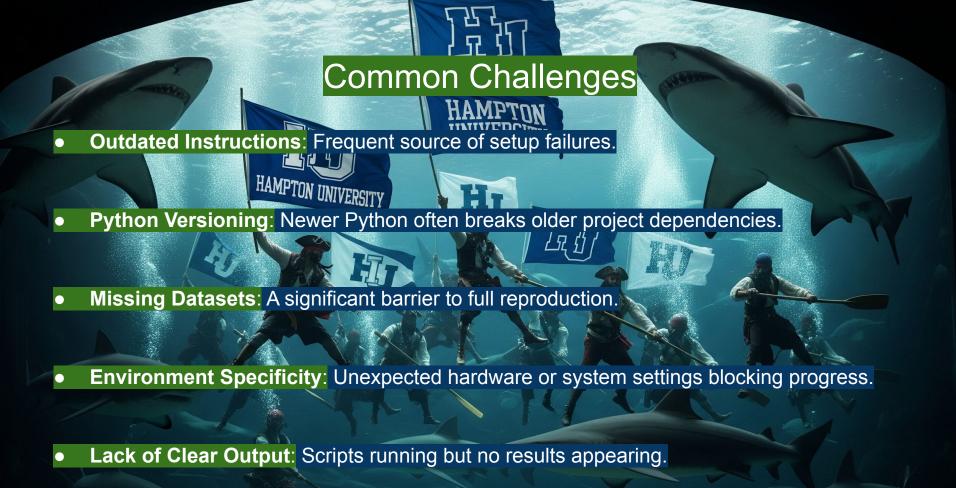
- Paper and Code were open-access and easily found.
- Python version and dependency conflicts also caused setup issues.
- Major Problem: The actual original datasets used in the paper were NOT available due to privacy.

Reproducibility Rating: 2/5 (Very Difficult)

Missing crucial data prevented us from verifying their quantitative results.

Bad Snakes Scorecard

Paper Availability of Availability of Software	Availability of Datasets		GPU Requirement s	Documentati on Quality	Ease of Setup	Reproducibili ty of Results	Rating
Bad Snakes 5) The research paper was free, open-acces s, and easily available for download. 5) All necessary code was free, open-sourc e, provided in the GitHub repository, and was successfull y cloned.	1) The crucial original dataset s were explicitl y not provide d and were inacces sible due to licensin g/privac y.	2) Required specific Python versions (3.8/3.9) that conflicted with newer systems, and faced unresolvabl e hardware issues for Docker.	docume ntation provide d no informat ion about GPU require	2) Instructions were outdated for modern Python and system environmen ts, leading to extensive troubleshoo ting beyond the guide.	2) Setting up was very difficult due to Python conflicts, missing dependenci es, and an unfixable hardware barrier (Docker virtualizatio n).	1) Setting up was very difficult due to Python conflicts, missing depend encies, and an unfixabl e hardwar e barrier (Docker virtualiz ation).	2 (Very Difficult) - "Can't run without major problems; needs expert help or significant workaround s."



Technology Used

Programming Languages: Python, JavaScript (for web tools)

Core Libraries/Frameworks: TensorFlow/Keras, Numpy,, Poetry, scikit-image (attempted)

Automation/Virtualization: Docker (attempted for isolation) and pyenv (for Python version management)

Environment

Tools: MacOS (Programming Application), Kali Linux (WSL), VS Code, Github (Version Control), and Docker (Container)

