Privacy is an integral part of our society. However, openness and availability of information is equally important for scientific advancements. The fine line between ethical responsibility and evolving re-computational practices should be clearly defined. Re-Computation (ER) is an initiative by [CreditsHere] academic community to enable early stage researchers benefit from existing experiments without reinventing the wheel. Academic Re-Computation (ARC) will allow researchers to advance their investigation while integrating and utilizing the existing solution.

ARC emphasis on set of practices for any given experiment which include software (application programming) as a source of conclusion to the discussed problem. This includes software {OS/Platform/user-apps?}, dataset, parameters, pre and post conditional legends and documentation to re-produce the identical results while executing the same experiment. Published work should serve complete and ultimate documentation of the experiments. In situation where format of publishing journal imposes restrictions, format (space/style) or the detailed information on experiment would cause distraction from main presented idea, adequate information should be provided in terms of index, reference and persistent web links.

The details to re-produce the experiment should protect sensitive information and identities in all forms. This also includes business or organizational secrets and intellectual proprietary licences. David Leoni has presented an interesting example with minimal details of personal information leading to person’s identification. Study has proved that 87% of American citizens can be uniquely identified just by knowing their gender, zip code and birth place. Sufficient study has been done and still evolving to anonymities the data before publishing in public domains. We intend to provide awareness (ethics, privacy and potential risks) among the researchers who wish to publish their work under the umbrella of Academic Re-computation initiative.

Ethical and privacy concerns are the way points how ARC will be implemented, we summarize and discuss these issues in following three categories.

- Disclosure or Identity Theft: Discloser is a privacy threat which produces back-track to original experimental source. The identity of users should be concealed while providing pseudo-users instead of real users. Anonymity of data and experiment procedures gain more significance when there is human intervention part of experiment in direct or remote sense. Published ARC should follow the predefined user rights [User-Acceptance-agreements]. Proven data mask techniques should be used to ensure that no adversary would be able to track the users. Data mask is a technique which allows to change the data without changing its original format. The used mechanism to mask the data should include complete set of data and as well individual and independent dataset.

- Integrity: The integrity threat involves intentional or unintentional change in data leading to sensitive information. The details provided in ARC should not lead to identification and sufficient mechanism to obscure the identities must be fundamental practise before sharing the user information. Provided data should never include sensitive and personal details in any forms.

- Replication: ARC should provide means to reproduce the results while cloning the data and parameters involved in experiment. But, it is important that replication should not imitate to possible user scenarios. For example, names of users from social data replaced with random number generator but other delicate details left intact. Researchers should ensure that replication of data should not lead to real identity or Intellectual property infringement.

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