

Research Reproducibility 2020
Educating for Reproducibility: Pathways to Research Integrity

Building Collaboration Framework in Countries Replication Crisis yet Happened

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ABSTRACT

INTRODUCTION: Replication crisis has struck the Western scholars' confidence in scientific knowledge. Many early promoters started their transparent and reproducible practices after observing frauds and/or participating in debates. In the non-Western world, on the other hand, these critical events are considered as single cases. We assume that this common (mis)understanding caused a low awareness of the systematic problems facing scientific communities, East or West. Our collaboration framework, Taiwan Collaboration for Psychological Scientific Research (TCPSR), plans to change this situation.

GOALS: Our actions aim to increase the awareness of Taiwan social scientists to Open Sciences. We will raise the common interest in transparent and reproducible research practices and ease the difficulties of learning and using these practices.

PLANS: Our first action plan is to run the local ReproducibiliTea journal club. In the first half of this year, we operated an online meeting around every two weeks. Each meeting we discussed one topic selected from the recently published journal articles. Since this summer 2020, we ran the journal club on the site with internet broadcasting. Our members learned much of the details why Western open sciences promoters are devoting themselves. The second action plan is originated from the operating collaboration framework such as 'Many Labs' and the 'Collaborative Replication & Education Project'. Concerning the distancing factors in Taiwan, we are building the framework where undergraduates and graduates could conduct the online studies and collect as large samples as the recommended standards.

FUTURE DIRECTIONS: In the coming year we will run the journal club meetings in the distributed sites. Through the video links, each site would gather the interested fellows who may be inconvenient to learning the open and reproducible scientific practices. The collaboration framework will elicit/invite the student projects annually. Every semester, we will launch the workshop to introduce how the collaboration framework works and to collect the feedback from the faculties and students.