**Mini-Projects**

**Presentation Date:** Monday August 6, 2018 9:00-11:30 am

**Location:** Rm 702

**Objective:** In groups of 2-3, develop and enact a small research project using population genetic analyses and communicate your findings in a short oral presentation.

Taking a prepared dataset (previously published or other sources), develop a question and use a combination of f-statistics and PCA to try to answer the question. You can take a previously published paper (preferably more recent than the Haak et al. 2015 study) to recreate several of their analyses to show how they answered their questions, develop a new question, or some combination thereof. The main requirement is to familiarize yourself with the dataset and gain practice running the needed software and interpreting results. You are **required to meet with your instructor at least twice**.

The final presentation will be a **15 minute oral presentation in English**, requiring at minimum the following sections:

1. Background/Introduction to project,
2. Description of dataset,
3. Planned analyses,
4. Results,
5. Conclusions,
6. Difficulties/learnings from mini-project.

**Timeline**

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| **Friday Jul 20** | Introduction to Mini-Project and choose group. |
| **Tuesday Jul 24** | Meet with instructor to present project idea and get feedback. |
| **Tuesday Jul 31** | Meet with instructor to discuss how project is going. |
| **Monday Aug 6** | Present 15 minute oral presentation. |

**Group Assignments**

**Group 1:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Group 2:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Group 3:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Group 4:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Group 5:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_