# Project Title Here

Name 1  Name 2  Name 3  Name 4
(if applicable)

## Abstract

*Abstract here.*

## 1. Introduction

This is an empty template, with a suggested top-level structure. Custom projects should have a related work subsection and should cite related research papers from the project's field.

## 2. Methodology & Experimental Results

## 3. Conclusions

## A. Overview of project code and data

*Optional section.* This is a guide written by you to help the course staff. Here you can make a few brief comments to the course staff about where they should start when looking at your project code, *e.g.*, how to run your scripts and what data files contain the experimental results you used to draw your conclusions. If your project code already has such information in an obvious place, such as a 'README.md' then this section is not necessary.

## B. Examples of LaTeX

This section contains some examples of LaTeX to help you get started. (You should delete this section in the final report.) This is a reference to Table 1 and Table 2. This is a reference to Figure 1 and Figure 2. This is a citation [**?**] and this is multiple citations [**?, ?**]. This is *italics* and **bold** text. This is a formula $\sum_{i=1}^{N}(y_i - \hat{y}_i(\mathbf{x}))^2$ that is inline with the text ('text style') and this is a formula that is displayed separately ('display style'):

$$\sum_{i=1}^{N}(y_i - \hat{y}_i(\mathbf{x}))^2$$

These are formulas with an associated equation number

$$\mathbf{x} = \begin{bmatrix} x_1, x_2, \ldots, x_N \end{bmatrix}^T \tag{1}$$

$$\boldsymbol{\phi} = \begin{bmatrix} \phi_1, \phi_2, \ldots, \phi_M \end{bmatrix}^T \tag{2}$$

| Method | Ultra-Clustering | Random Jungles |
|--------|------------------|----------------|
| Theirs | Works OK | All your base |
| Yours | Works better | are belong to us! |
| Ours | Works best! | I can haz job now? |

Table 1. This is the caption of a column-width table.
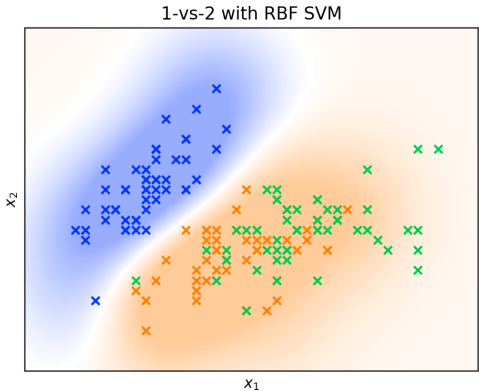


Figure 1. This is the caption of a column-width figure.

and we can now refer back to (1) or to (2) like so.

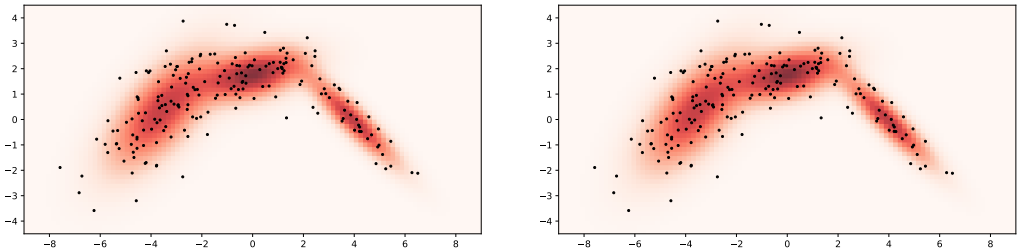| Method | Good? | Bad? | Ugly? |
|---|---|---|---|
| Our competitor's method | Terrible | I made sure of it | Probably |
| My predecessor's method | Could be better | Uhuh | No |
| My proposed method | Yes! | No! | What? |

Table 2. This is the caption of a page-width table.



Figure 2. This is the caption of a page-width figure.