**Analytic Proposal Review #1**

For this assignment you are to write a proposal describing the analytic data product that you intend to develop. The purpose of writing this proposal is to help ensure that you develop an analytic that delivers the features desired by an end-user in the allotted time (by the end of the quarter).

The proposal will have two sections. In the first section, you’ll provide some basic information about the analytic you plan to develop. The information you provide in this section will be used both within your analytic and as part of the GitHub repository to aid collaboration. In the second section, you will develop a plan of action to ensure that you can deliver the analytic in the allotted time.

This proposal will be included as a file in the `inst` directory of your package and will serve as the README file for your GitHub repository. The proposal must be pushed no later than midnight on 12 January 2018. Your grade on this proposal will be based on how closely it aligns with the actual final product (consideration will be given to the level of difficulty to complete the project). The reasoning behind this grading scheme is that it forces you prioritize what needs to be done in the allotted time and avoids the situation in which you ‘over-promise and under-deliver’.

Do you know what you are trying to develop?

Do you have the end user in mind?

If you run some step…what will they want to do next?

**Section 1: Basic information about the analytic data product**

1. Provide a short name (either a single word or an acronym) for the analytic you plan to develop.
2. Provide a brief title (1-2 sentences) describing – at the 50,000-foot level – what your analytic does. Your title should be short and to the point, but should also be clear to an end user.
3. Provide a description (2-3 paragraphs) of why this analytic data product will be useful for an end-user. This description should address the following points (where applicable).
   1. Describe each of the features that your analytic will perform when complete
   2. Describe the typical end-user for whom this analytic is being developed
   3. Describe any specific knowledge/skills/abilities an end-user must have to use your analytic
   4. If your analytic implements known statistical methods, specified them
   5. If your analytic builds on existing statistical methods or R packages, specify them
      1. Don’t recreate the wheel
4. How will end-users access your analytic data product?
5. Are there any security concerns that need to be addressed?
6. Are there any appearance/design constraints that your analytic must adhere to?

**Section 2: Delivery and schedule information**

1. Review the features you listed in Section 1.3.A. Construct a table with the following information
   1. The description of the feature
   2. A rank ordered priority number for this feature
   3. The status of the feature – should be either ‘finished’, ‘in-work’, or ‘not started’
   4. What value will this feature provide to an end-user?
   5. What input(s) must be provided by end-user to perform this feature?
   6. What output(s) will this feature return to the end-user?
   7. What do you envision an end-user will do with the output of this feature?
   8. Is there sufficient time to deliver this feature prior to the deadline?
   9. Does this feature need to be included in the current version of your analytic or can it be pushed to a future update?