PROJECT SUMMARY/ABSTRACT

Do this last.

SPECFIC AIMS

At the highest level, what is the area the study focuses on?

 What have I done that is relevant to the study?

 What are the hypotheses the initial work has generated, which will be the focus of the study.

 Specific Aims: title what is going to be done

 What comes next? What will the impact be of achieving the specific aims?

RESEARCH STRATEGY

A. Significance

Reintroduce the domain.

 What is the impact/significance of what is done now?

 What does the study do?

 How will this change research in the domain?

Important significance topic.

Another important significance topic.

B. Innovation

What is different/new/novel about this project?

- Some bullets may be helpful to the reviewers here.
- Some bullets may be helpful to the reviewers here too.

C. Approach

Background - what are the existing concepts this study will use? How will they be put together?

D. Specific Aim: Title

Hypothesis: What is being tested? Rationale: Why is this something we should be testing? Experimental Approach: How is the test going to be implemented? Interpretation of Results: How does the test translate to science? Potential Problems and Alternative Approaches: What will we do if it doesn't work?

 Note: Material below is for reference.

D.1. Overview of the proposal

D.2. Research team

D.3. Preliminary studies

D.4. Resources

D.5. Design and methods for Aim 1

D.6. Design and methods for Aim 2

D.7. Design and methods for Aim 3

D.8. Timeline

There are lots of good examples of R-based Gantt charts to be found by clever Googling. For displaying progress with sidebar annotations by aim, I particularly like this example from the lares package.
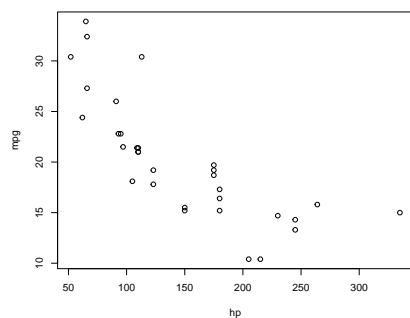
D.9.   Rigor and reproducibility

D.10.   Impact of the proposed study

Figure 1: Important scatterplot