1   Deliverable 200 points total

1. Objective Clearly Stated [5]

2. Executive Summary States Basic Concept and Key Results [5]

3. Original Design/Modification to Commerical Off The Shelf [COTS] [45]

   - Description of COWTAPULT (include modifications to COTS) [15]
   - Factors and Levels[5]
   - Concerns - Measurable but Not Controllable[5]
   - Concerns - Not Measurable and Not Controllable[5]
   - Steps taken to address concerns[5]

4. Method of Data Collection and Randomization [10]

   - Method clearly stated [5]
   - Randomization issues addressed [5]

5. Collected Data [15]

   - Prima Facea Integrity Check [5]
   - Stared Data NOT inappropriately used in analysis [5]
   - Original Datasheet provided [or scan] [5]

6. Post Analysis [10]

   - Run Orders Included [5]
   - Other Assumptions Validated [5]

7. Analysis of the Experiment [include confidence intervals on coefficients] [80]

   - Proper use of R regression [15]
   - Appropriate Factor/Interaction Removal [10]
   - Coefficient Confidence Intervals Provided [5]
   - Initial Regression Model Output based on Experimental Design [10]
   - Final Regression Model Output [you can put interim ones in Appendices] [20]
   - Narrative of interaction removal justification [Engineering or Factor Principle used] [20]

8. Conclusions [30]

   - Factor Level Settings [Predicted] [20]
     - Settings for Maximum Projectile Distance [5]
     - Settings for 50% Projectile Distance [5]

- – Settings for 25% Projectile Distance [5]
- – Settings for 10% Projectile Distance [5]
- Things you would have done differently if you had to do it again [5]
- Challenges/Insights [5]