

HW3

- 1. (2 points)** Was our treatment assignment for the paper airplane example a CRD? Why or why not?
- 2. (2 points)** Given what you now know, do you think our randomization procedure for the paper airplane experiment was reasonable? Why or why not?
- 3. (4 points)** Consider the paper airplane experiment where there are 40 EUs (corresponding to two throws for 20 participants). Using a CRD assign treatments (1 = dart and 2 = glider) to all 40 EUs.

```
airplane <- tibble(EU = 1:40, person = rep(1:20, each = 2), throw = rep(1:2, 20));  
airplane
```

```
## # A tibble: 40 x 3  
##       EU person throw  
##   <int> <int> <int>  
## 1     1     1     1  
## 2     2     1     2  
## 3     3     2     1  
## 4     4     2     2  
## 5     5     3     1  
## 6     6     3     2  
## 7     7     4     1  
## 8     8     4     2  
## 9     9     5     1  
## 10    10     5     2  
## # ... with 30 more rows
```

- 4. (1 point)** Include code for the treatment assignment for your project.