

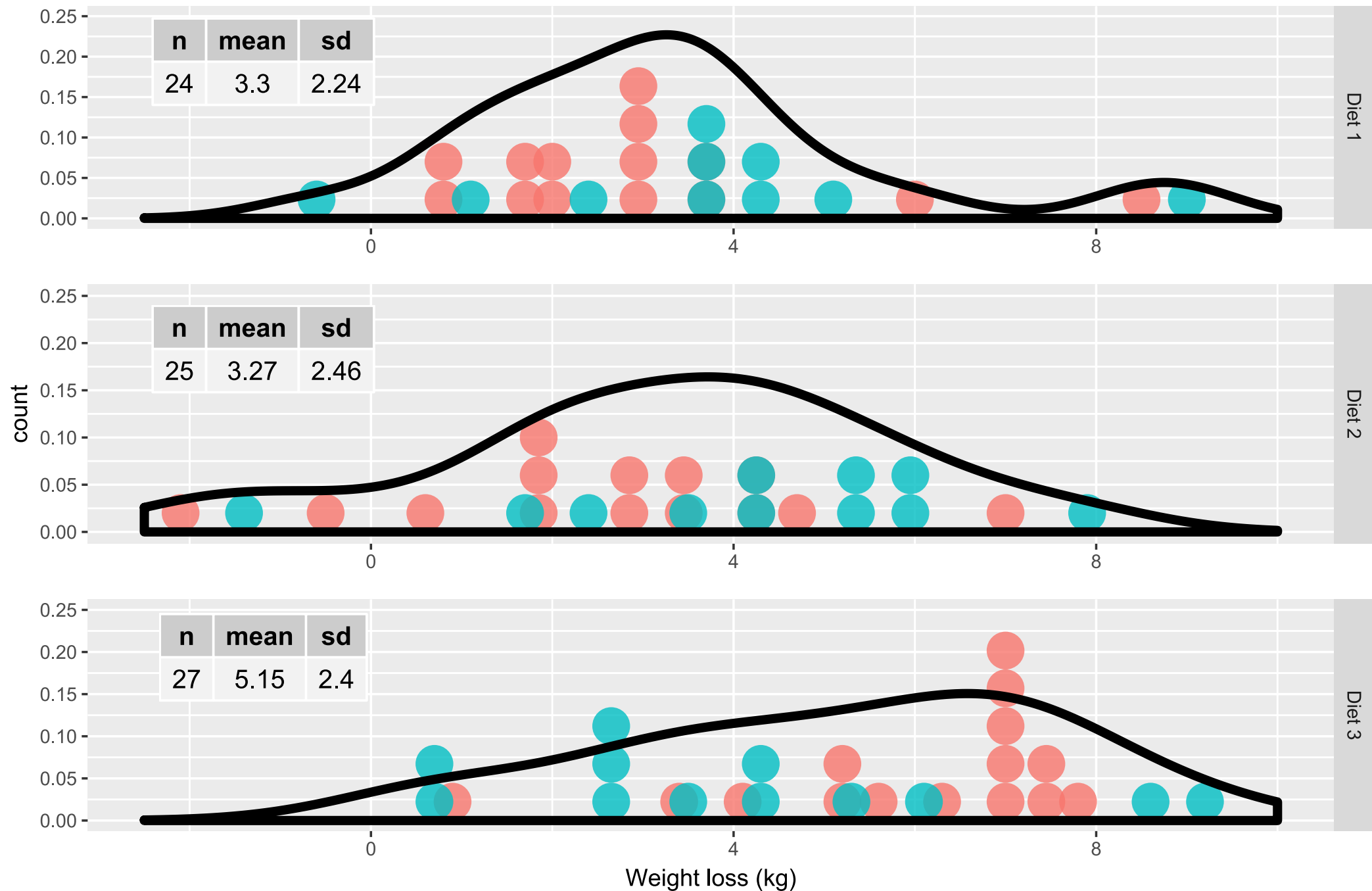
Diet Study Exploratory Analysis

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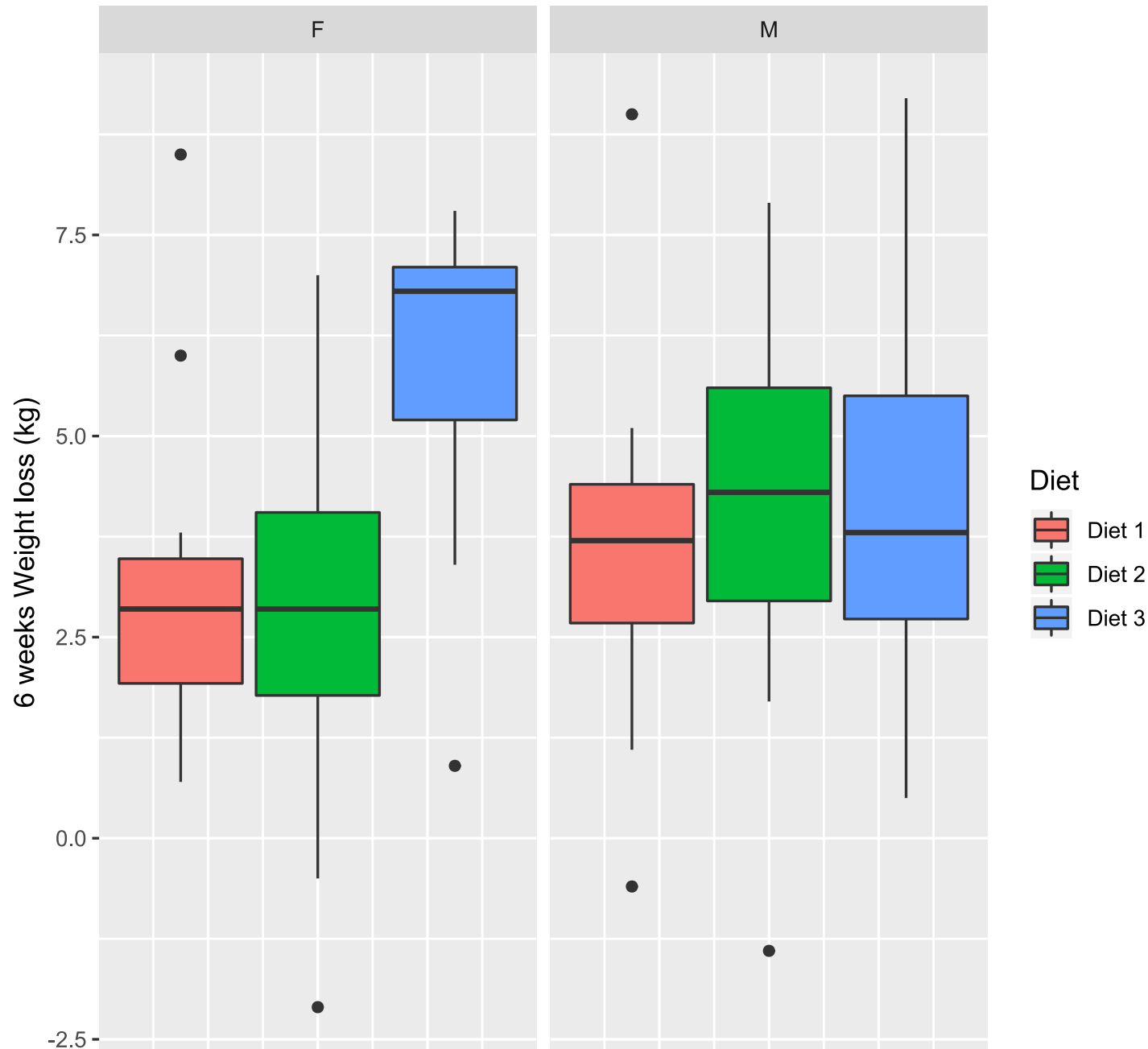
Questions of interest

- **Which diet is the best for losing weight?**
 - Which diet had the highest average weight loss?
 - Did everyone lose weight equally?
- **What is the effect of gender on losing weight?**
 - Did one gender lose less weight in general?
 - Does a subject's gender influence the best diet for weight loss?
- **How can we improve our study of diet on weight loss?**
 - Should we do a separate analysis for each gender?
 - Or should we simply scale weight loss values?
 - We can adjust for age, height, and starting weight to better our estimates

Six Weeks Weight Loss by Diet Number



Comparisons of Weight Loss for each Diet by Gender



For Females in the study...

- Diet 3 has a higher median weight loss than other diets
- Diet 1 has the max value, but no other convincing arguments

For Males in the study...

- Diet 2 has the highest median but also minimum value
- Diet 3 has two observations above 8 kg, though