

clams_analysis

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November 23, 2015

This script was most recently run on Sun Dec 6 20:15:35 2015. This script produces descriptive statistics and graphs for clams data from cohort 7 and 8.

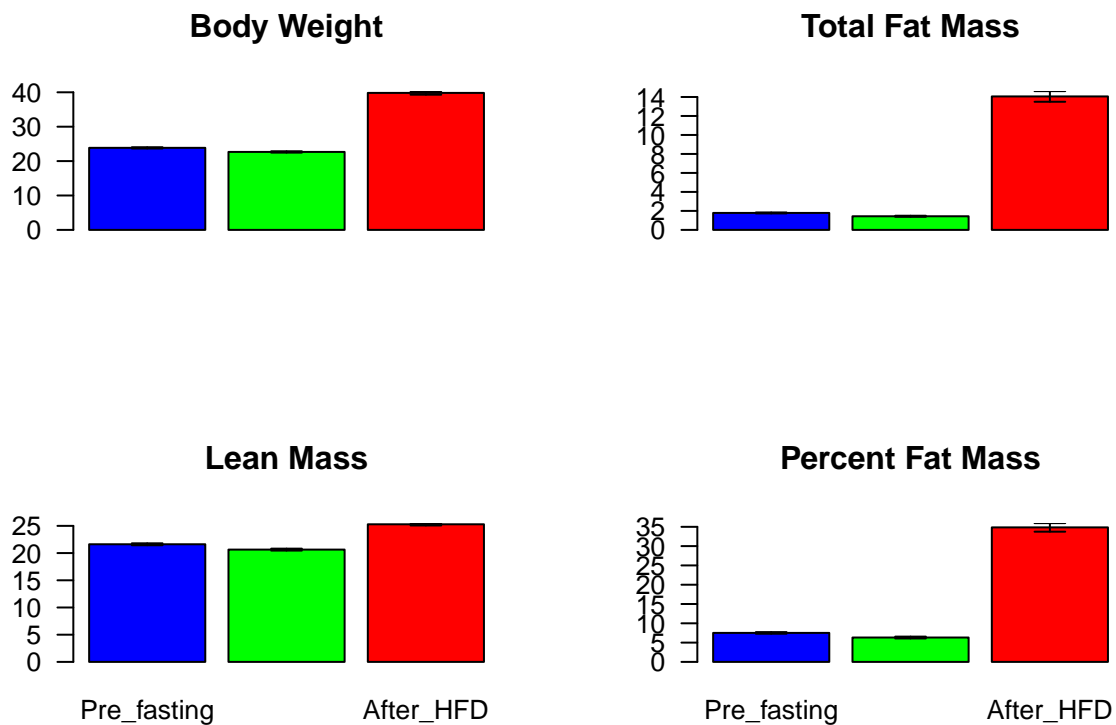
Body Weight Analysis

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## Warning: package 'ggplot2' was built under R version 3.1.3
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## Warning: package 'plyr' was built under R version 3.1.3
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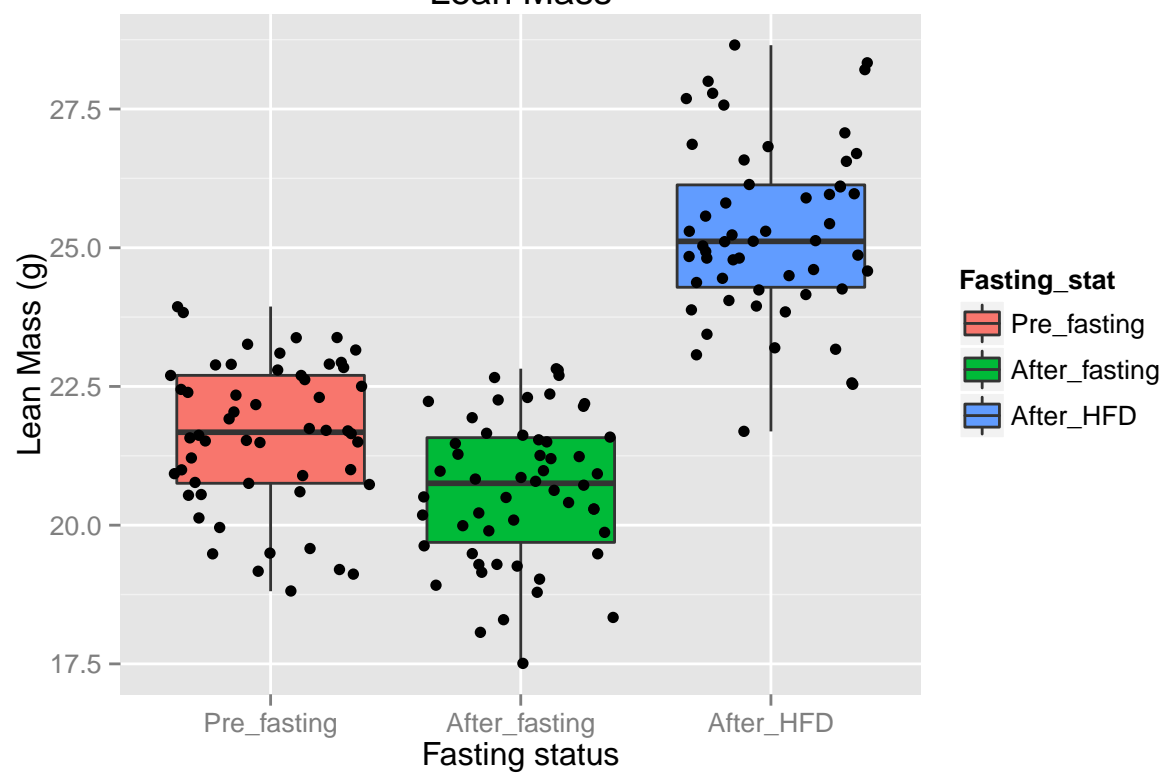
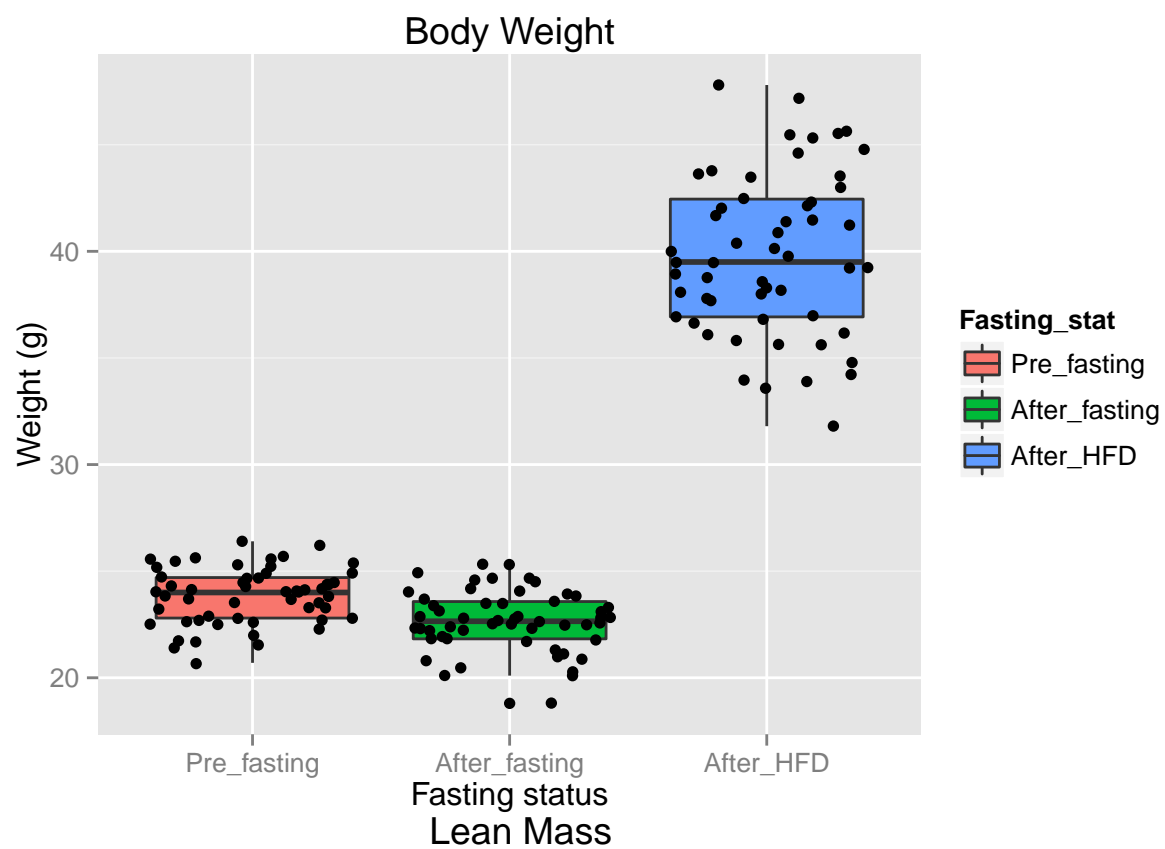
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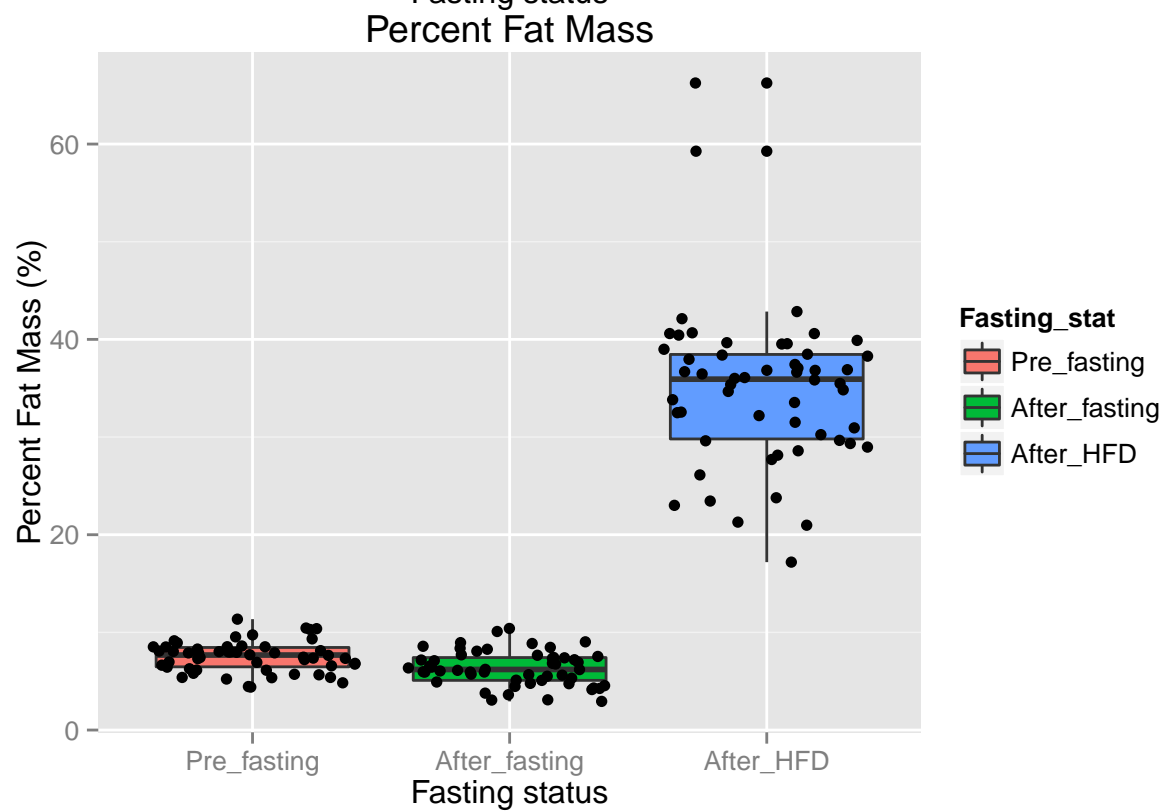
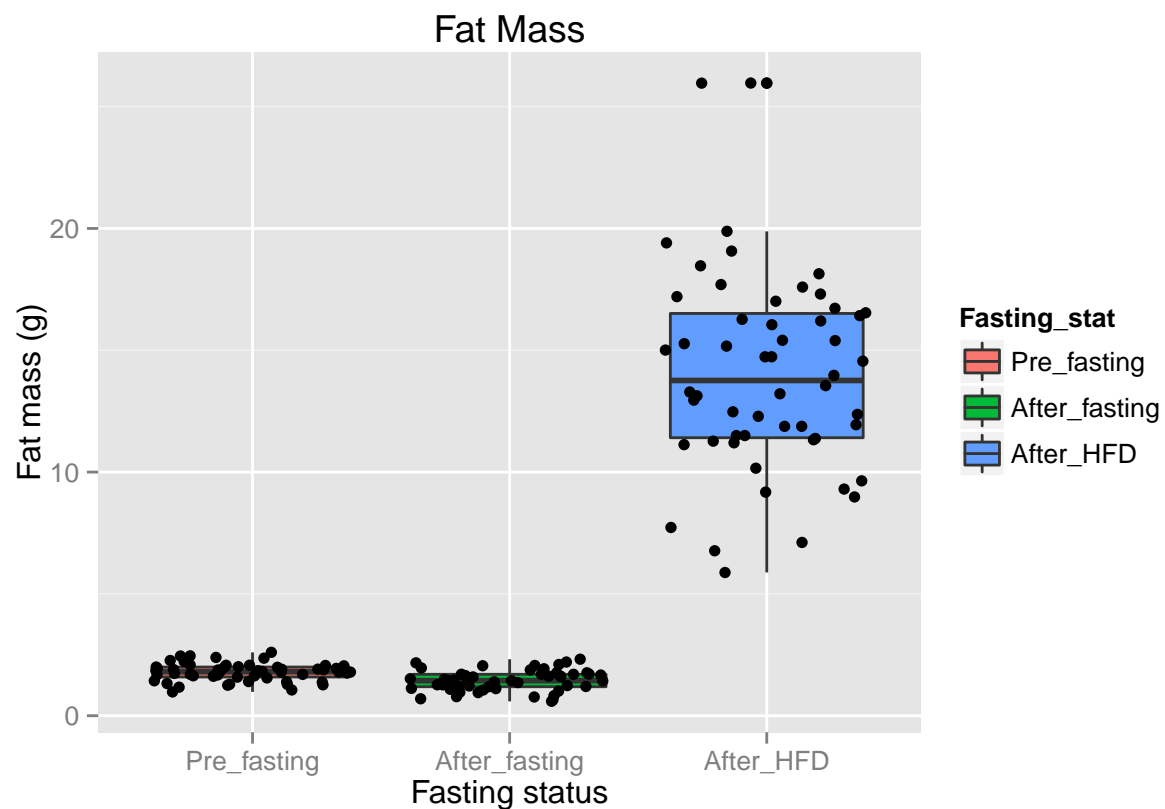
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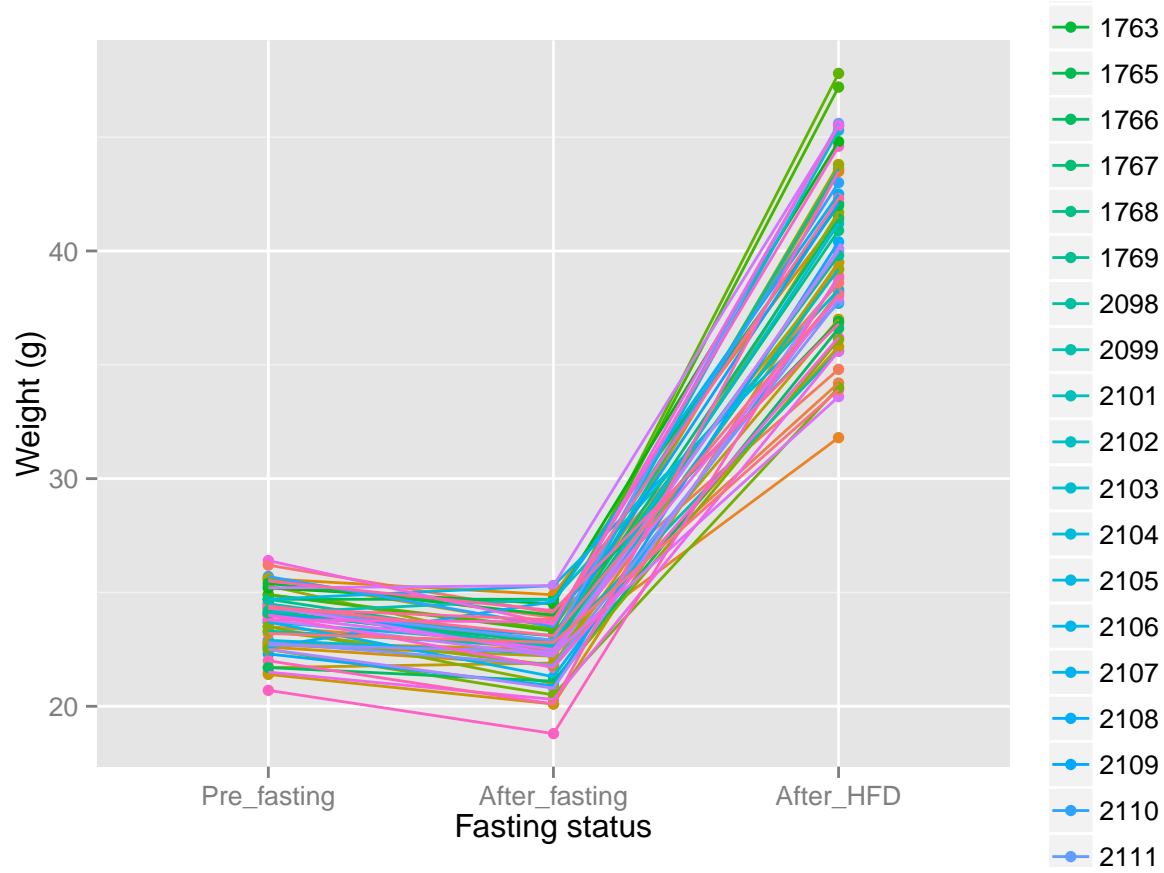


```
## pdf
## 3
```

```
## pdf
## 2
```







	pval	padj
Weight	0.00000000	0.00000000
Fat	0.00000000	0.00000000
Lean	0.00000000	0.00000000
Percent.Fat	0.00000000	0.00000000

Table 1: Oneway ANOVA with Welch correction for effects of Fasting and HFD on Weight, Total Fat Mass, and Lean Mass; Kruskal Wallis test on Percent Fat Mass. P-values are adjusted by the method of Benjamini and Hochberg

	diff	lwr	upr	p adj
After_fasting-Pre_fasting	-1.18518519	-2.30496396	-0.06540641	0.03527128
After_HFD-Pre_fasting	15.97407407	14.85429530	17.09385285	0.00000000
After_HFD-After_fasting	17.15925926	16.03948049	18.27903803	0.00000000

Table 2: Tukey HSD for pairwise comparisons among Fasting stages on Body Weight

	diff	lwr	upr	p adj
After_fasting-Pre_fasting	-0.35055556	-1.44144958	0.74033847	0.72786160
After_HFD-Pre_fasting	12.27166667	11.18077264	13.36256069	0.00000000
After_HFD-After_fasting	12.62222222	11.53132820	13.71311625	0.00000000

Table 3: Tukey HSD for pairwise comparisons among Fasting stages on Fat Mass

	diff	lwr	upr	p adj
After_fasting-Pre_fasting	-0.98388889	-1.62497062	-0.34280716	0.00110244
After_HFD-Pre_fasting	3.67111111	3.03002938	4.31219284	0.00000000
After_HFD-After_fasting	4.65500000	4.01391827	5.29608173	0.00000000

Table 4: Tukey HSD for pairwise comparisons among Fasting stages on Lean Mass

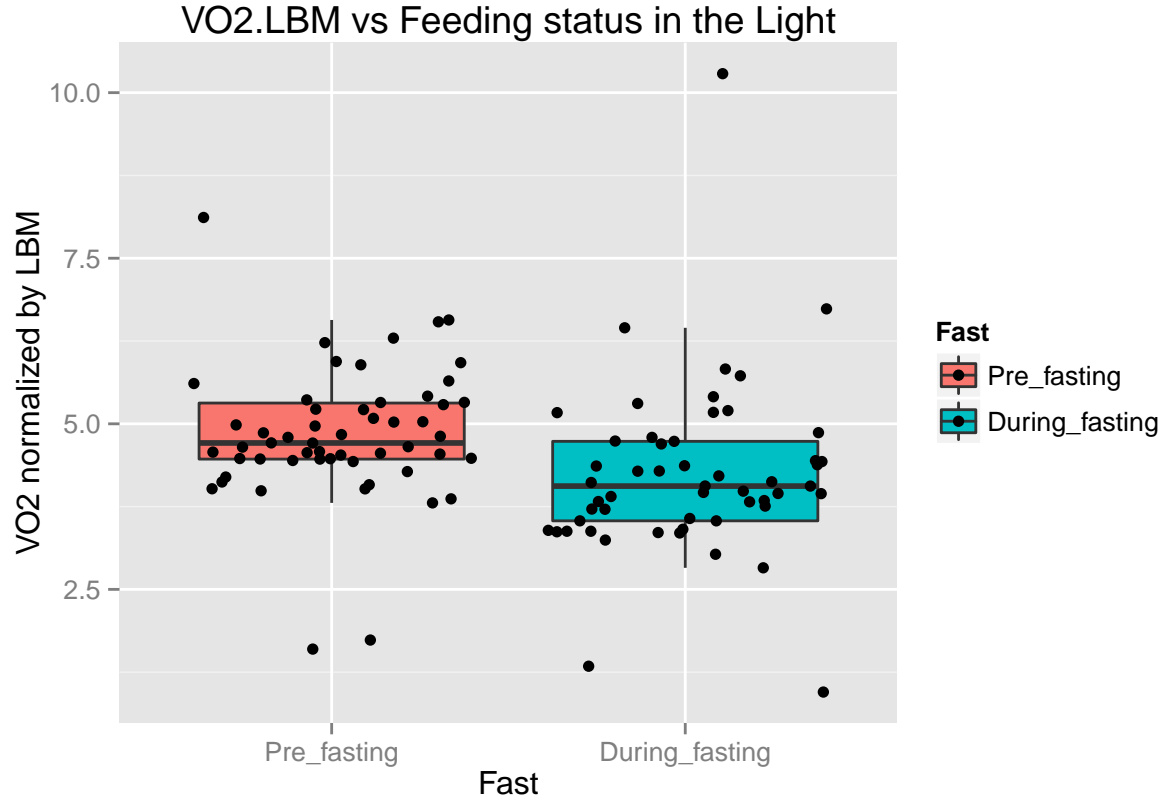
	Pre_fasting	After_fasting
After_fasting	0.06877140	
After_HFD	0.00000000	0.00000000

Table 5: Pairwise comparisons using Nemenyi-test with Chi-squared approximation for independent samples

Analysis of CLAMS data

Warning: Removed 3 rows containing missing values (geom_point).

Warning: Removed 4 rows containing missing values (geom_point).

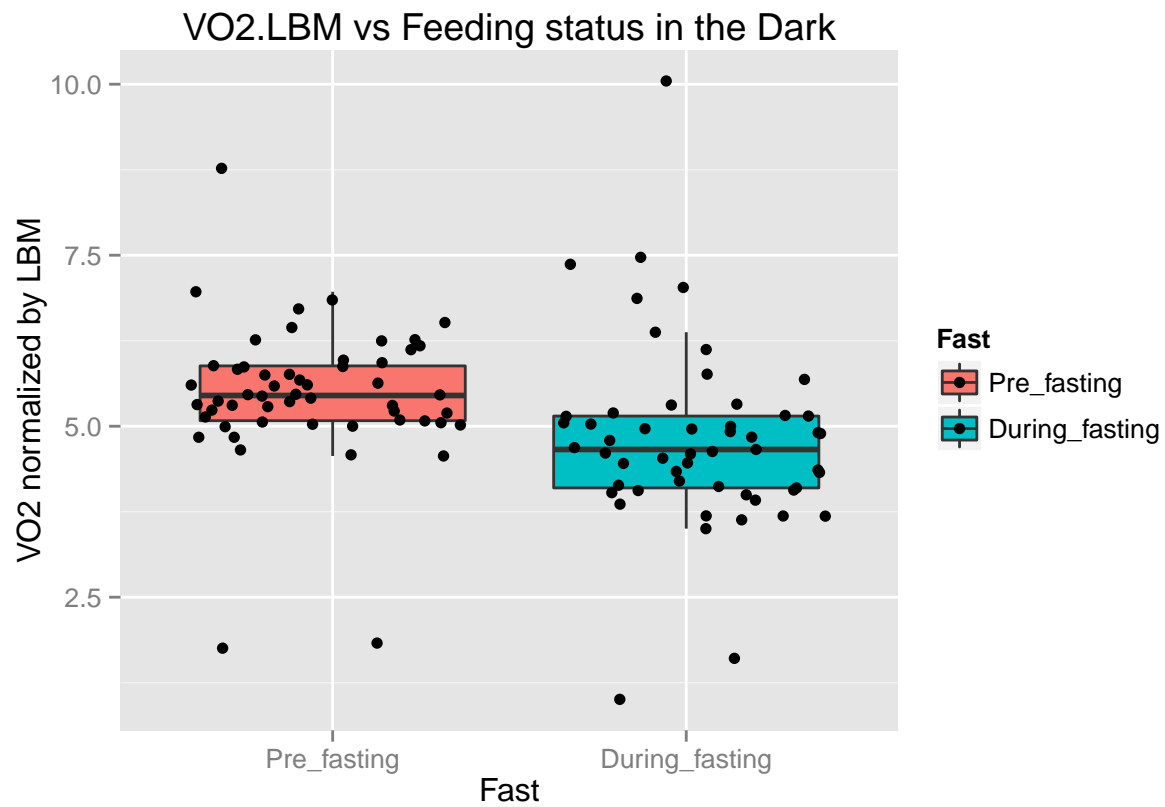


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Warning: Removed 4 rows containing missing values (geom_point).

Warning: Removed 3 rows containing missing values (geom_point).

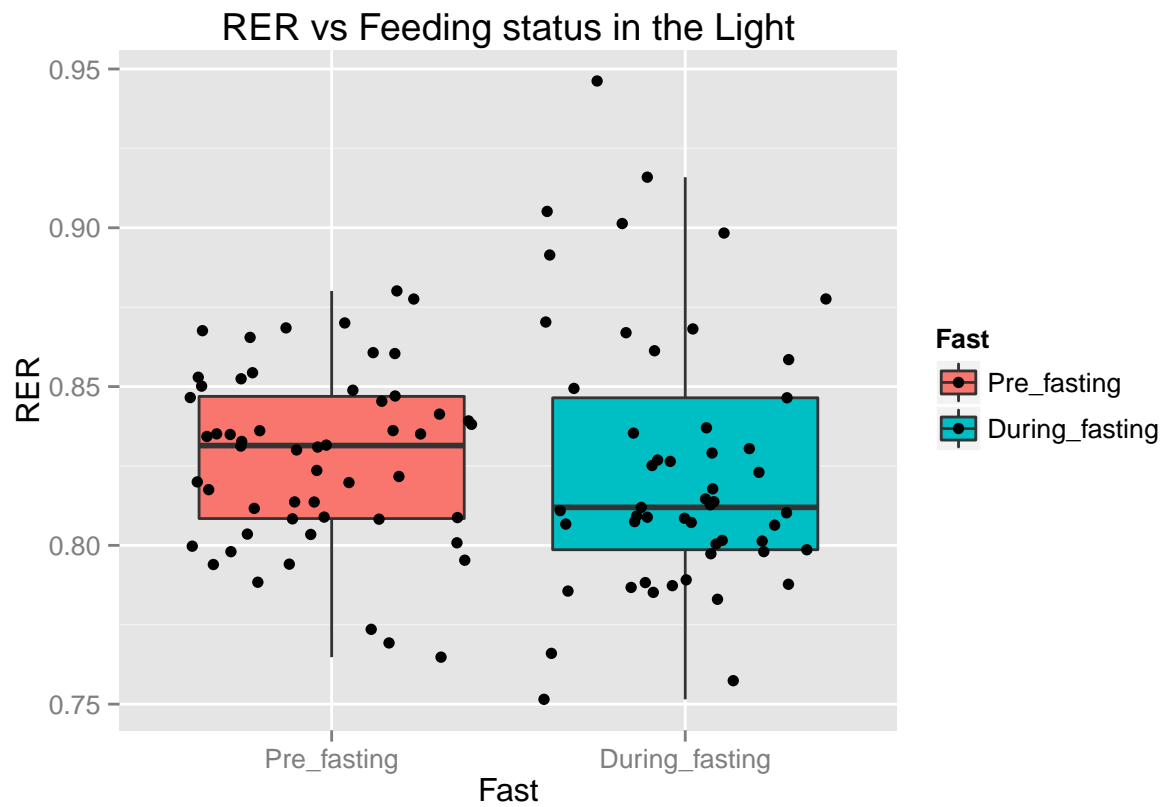
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Warning: Removed 3 rows containing missing values (geom_point).

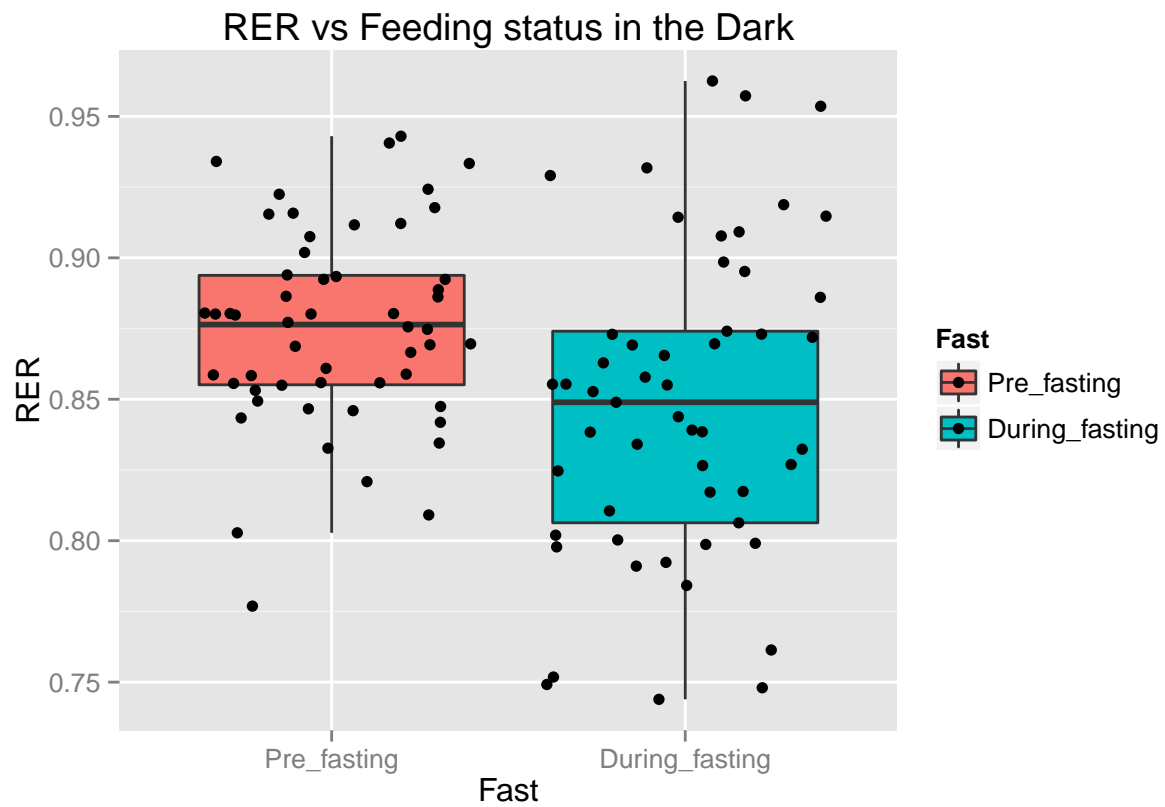
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Warning: Removed 1 rows containing missing values (geom_point).



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## Warning: Removed 1 rows containing missing values (geom_point).
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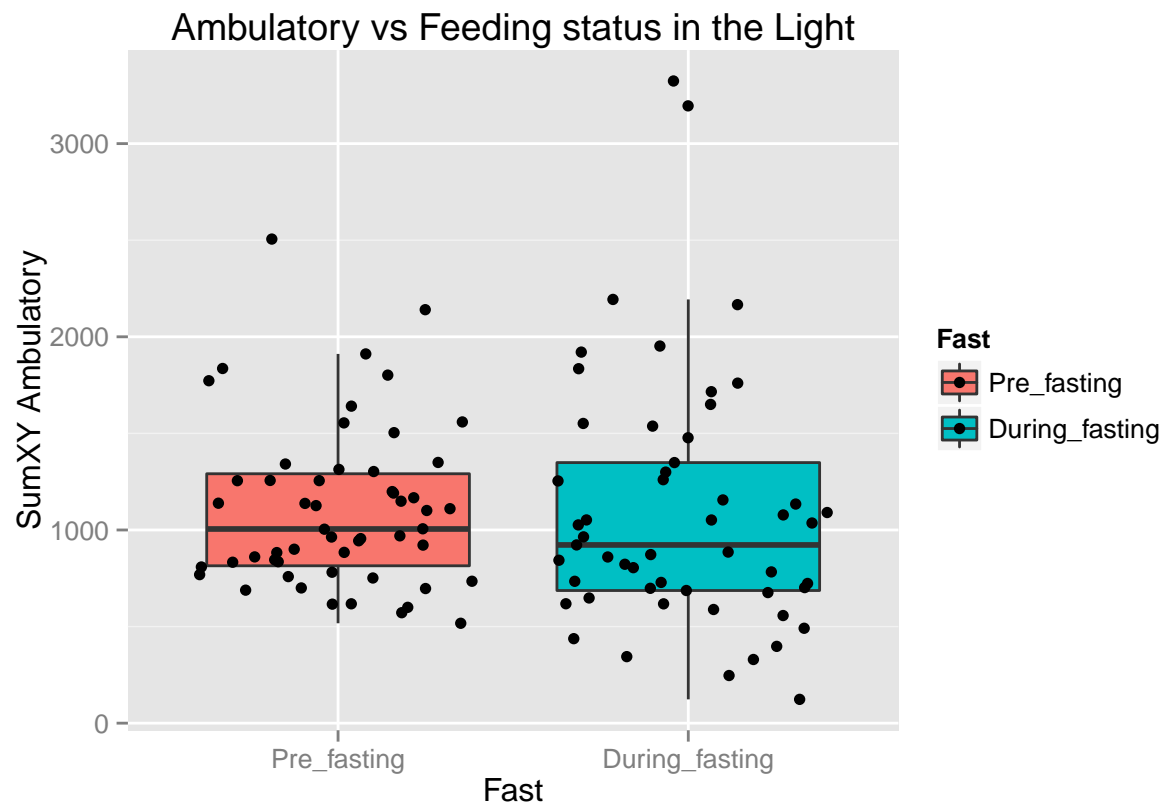
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Warning: Removed 1 rows containing missing values (geom_point).

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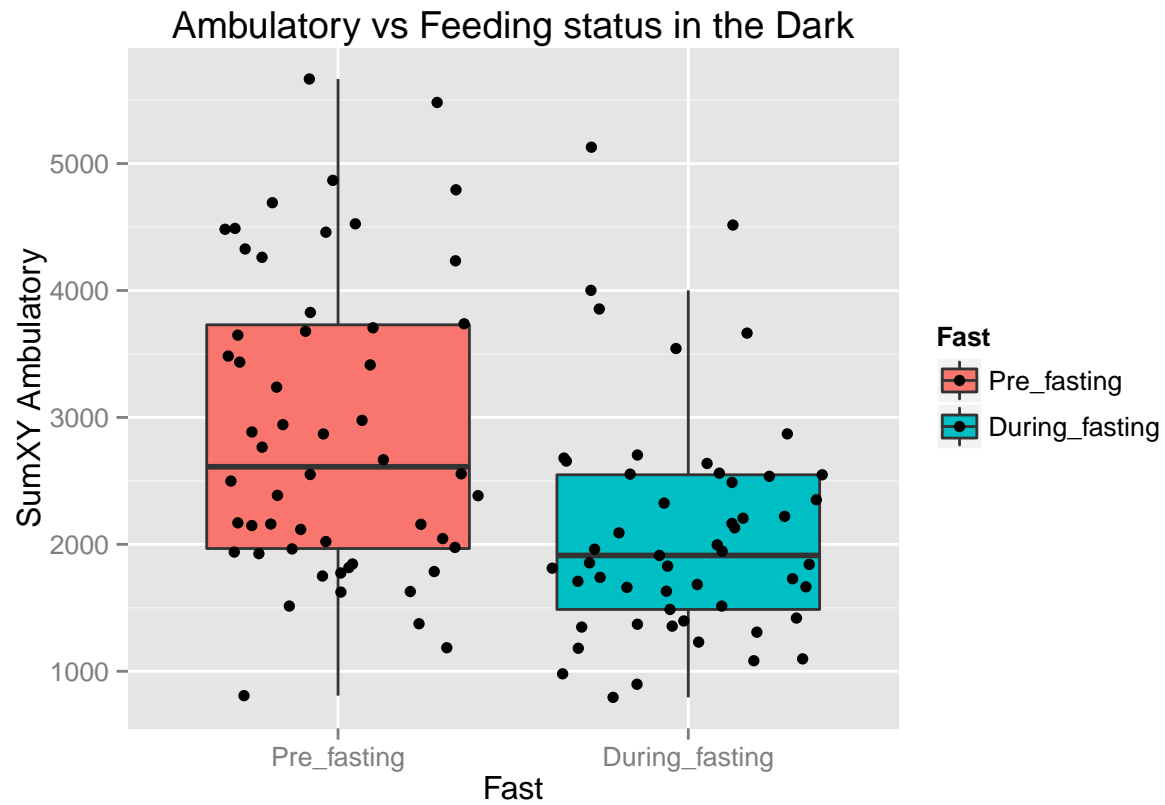
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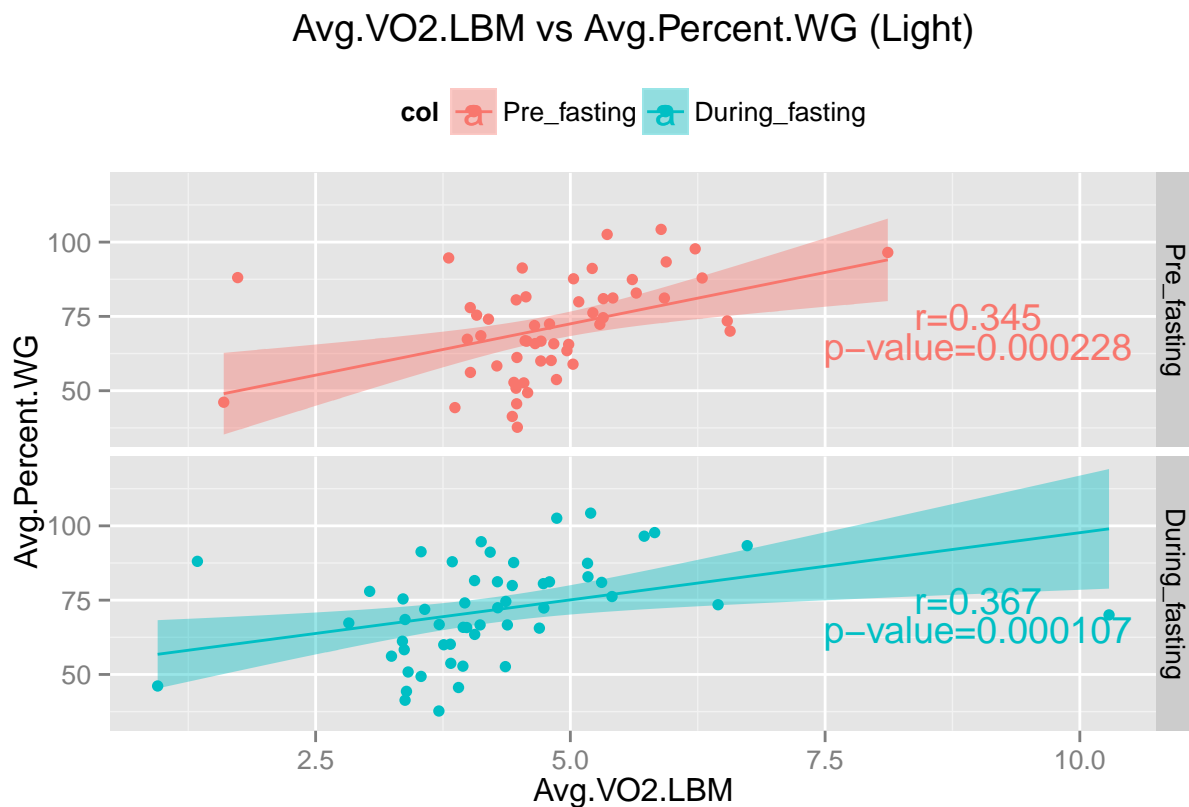
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## Warning: Removed 2 rows containing missing values (geom_point).
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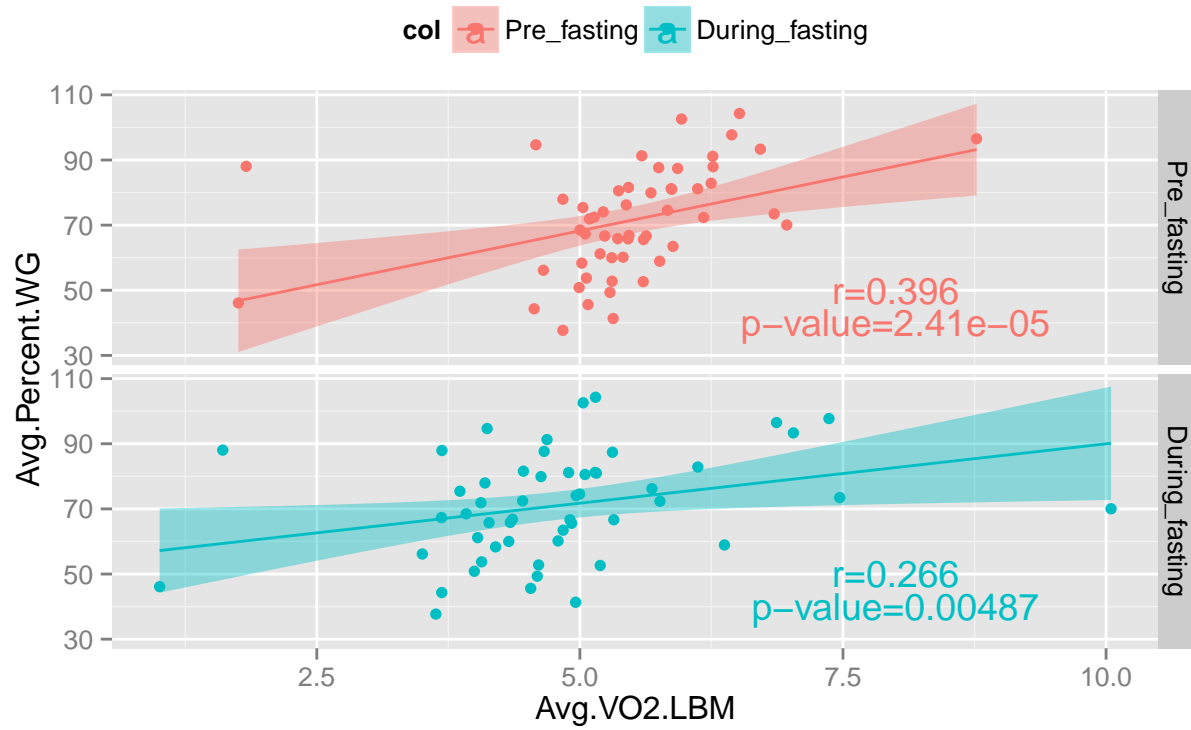
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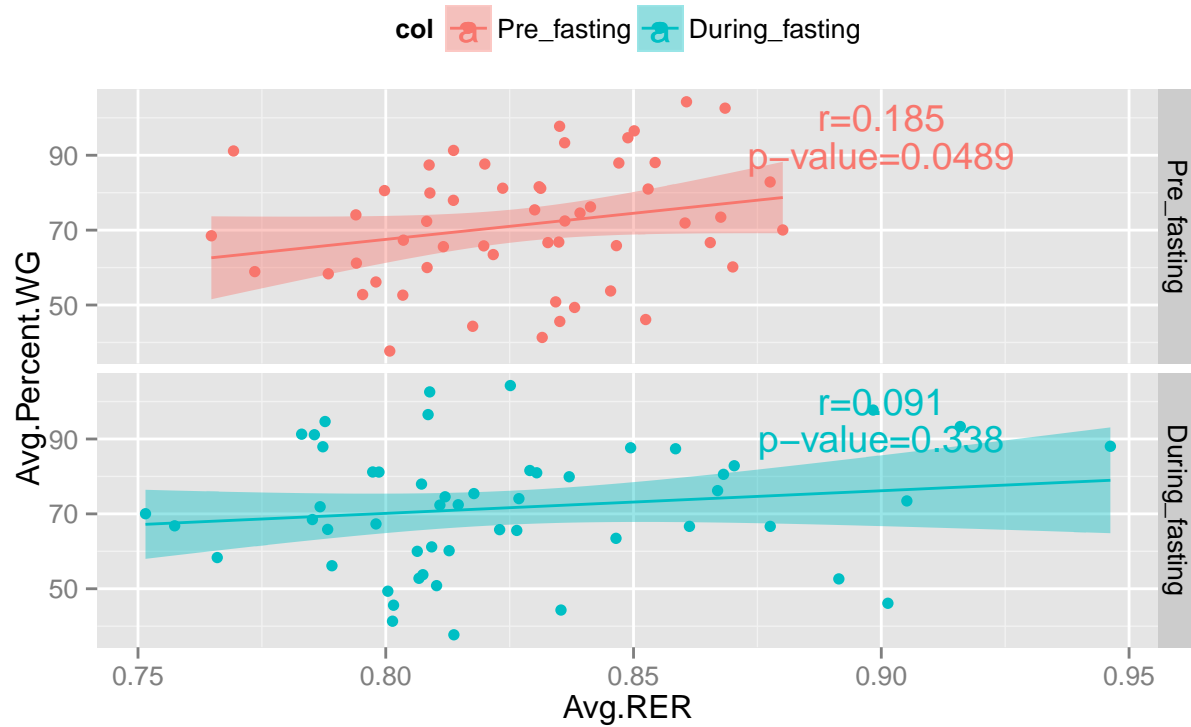
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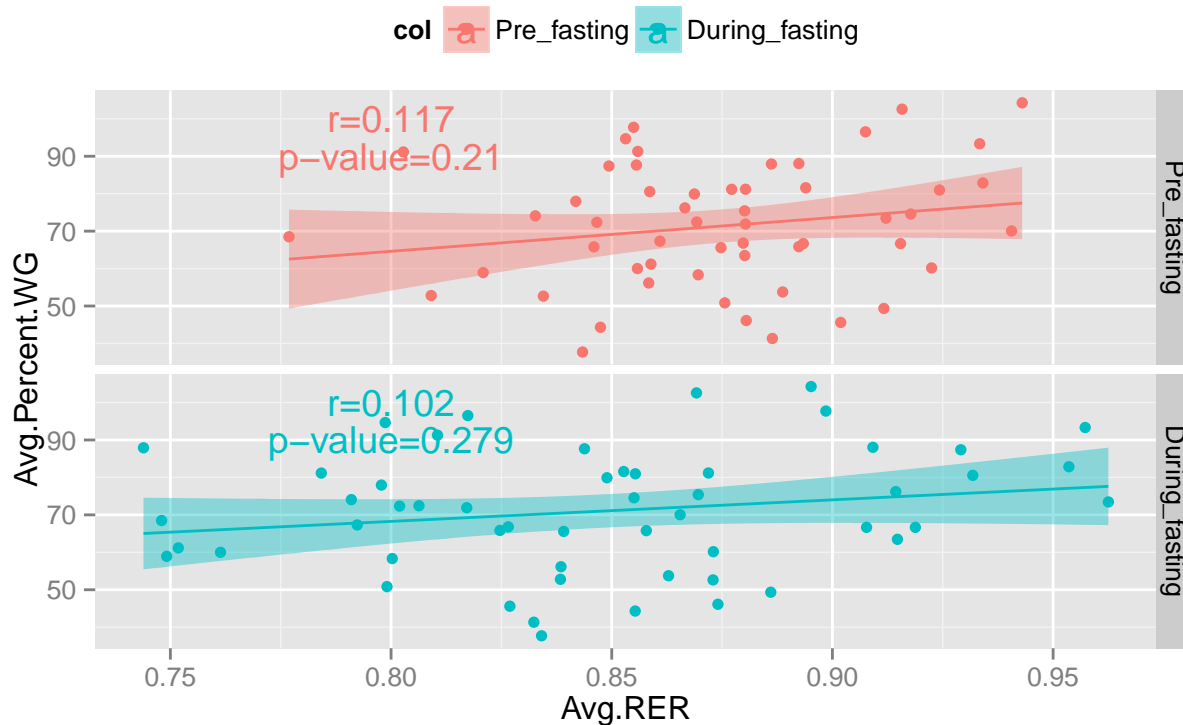
VO2.LBM vs Percent.WG (Dark)



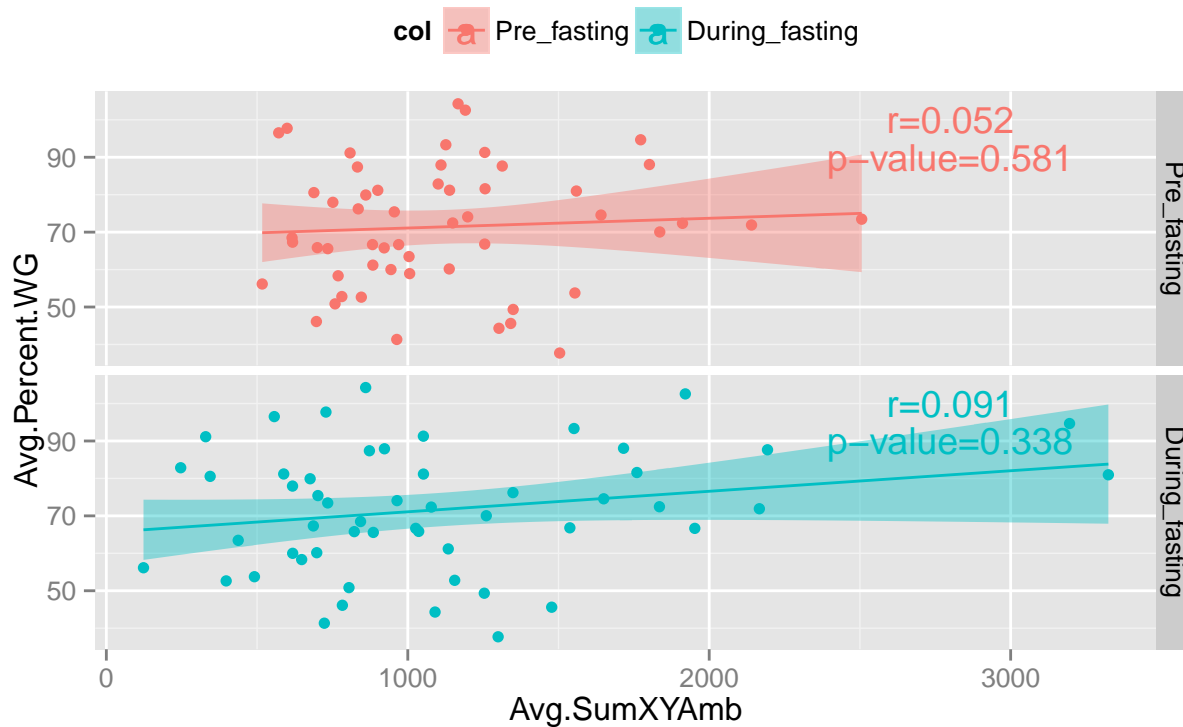
RER vs Percent.WG (Light)



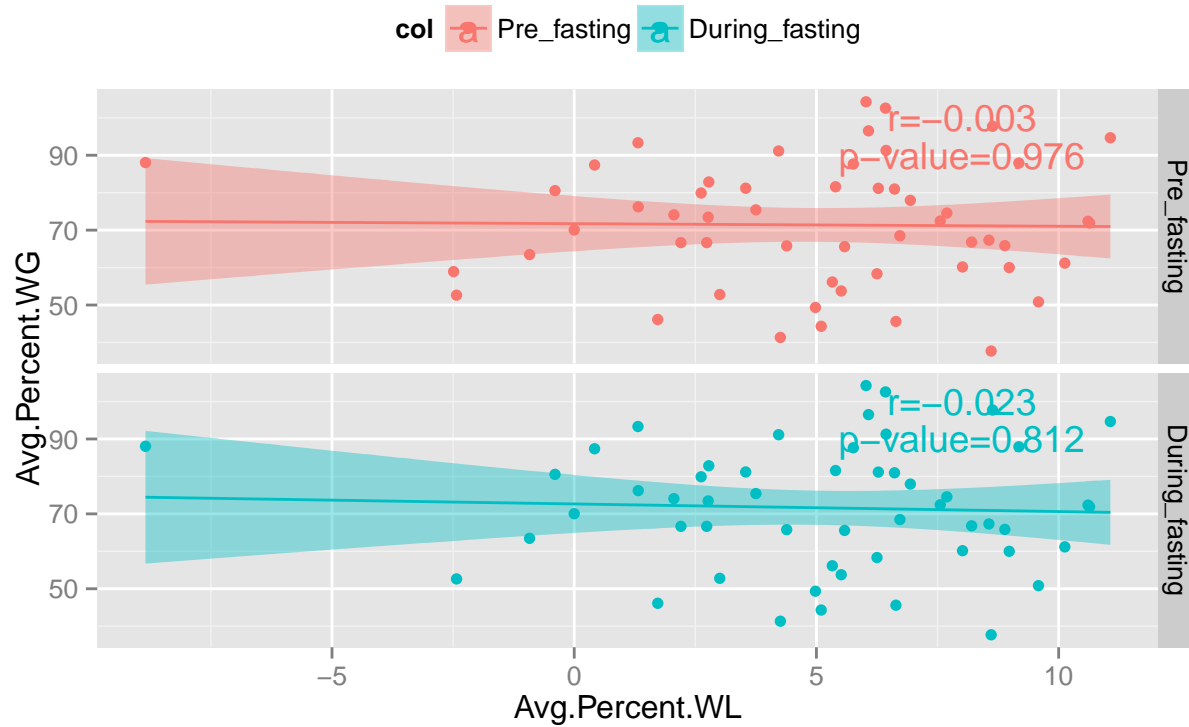
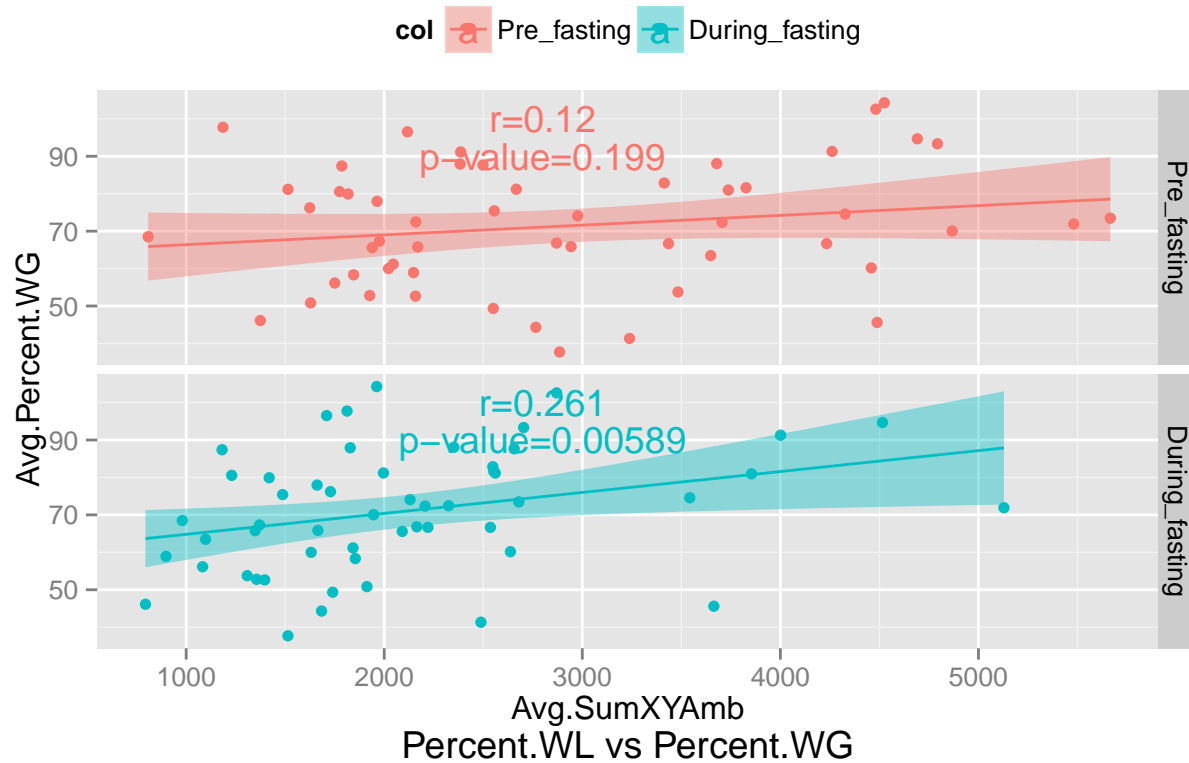
RER vs Percent.WG (Dark)



Ambulatory vs Percent.WG (Light)



Ambulatory vs Percent.WG (Dark)



Warning: package 'nlme' was built under R version 3.1.3