STAT 2 Informal Errata

June 2015
Amy Wagaman and Susan Wang

Edited in August 2015 to exclude comments to the authors.

1 Simple Linear Regression

1. (p.29) Bottom of the page: "Porsche" is misspelled.
2. (p.38) Last block of text on the page: the expected price should be $41,620; it currently has an extra 0.

2 Inference for Simple Linear Regression

1. (p.73) Right before Section 2.3: "Porsches" is misspelled.
2. (p.83) 2.15(b) should be asking for a **prediction** interval, not a confidence interval.

3 Multiple Regression

1. (p.97) Bottom of the page: "Y has a constant variance for any combination of the predictors" is ambiguous. Maybe insert "conditional on"?
2. (p.98) Bottom of the page: the description uses 260 points whereas the equation itself uses 269 points.
3. (p.101) Blue box, last sentence should use $SE_{\hat{\beta}_i}$, but currently uses a subscript of 1 instead of i.

4 Additional Topics in Regression

1. (p.181) Bottom of the page suggests some behavior default in R, but actually, I don't know of any function that uses a two times typical leverage rule to identify high outliers. The student guide to STAT 2 with R also seems to contradict what's written here.
2. (p.184) Blue box: missing subscript i in the $\hat{y}_i$ in multiple places.
3. (p.184) Note: We are adjusting the standard deviation in the studentized residual calculation since influential outliers will also inflate the standard deviation, so the unadjusted standardized residual will not reflect the unusualness of the particular observation.

4. (p.215) Problem 4.18(b): I don't believe we've seen the residual standard error expressed as S_ϵ thus far in the book. p. 32 uses different notation.

5 One-Way ANOVA

1. (p.227) Equation middle of the page: the hat is falling off of α_k.
2. (p.233) Blue box: space needed between "one" and α_k in H_a.

6 Multifactor ANOVA

1. (p.278) Middle of the page equation: the grand mean should be 34 instead of 35.
2. (p.279) Middle of the page sum of squares equation: there is a stray '(' in the SSE term.
3. (p.280) Blue box: the formulas here are only applicable for balanced design, and perhaps it would be worth stating that.
4. (p.299) Third set of hypotheses at top: H_a needs to use proper subscripts.
5. (p.300) Blue box: "where $\epsilon \sim N(0, \sigma_\epsilon)$" is missing a "$\sim$".
6. (p.302) Top of the page: extra 1 in "vitamin $B_{12}1$". The interval should be for the parameters $\mu_{22} - \mu_{11}$, no hats.

7 Additional Topics in Analysis of Variance

1. Blue box: step 3 should show $100 - \alpha/m\%$.

9 Simple Logistic Regression

1. (p.493) Exercise 9.15(a) "metastasis" is misspelled.

10 Multiple Logistic Regression

1. (p.511) Example 10.2 makes use of a lot of empirical logit plots that use only 3 points. I would recommend using additional breaks/points.
2. (p.527) Middle of the page: sometimes the notation is SE_{β_i} (see blue box on p.526) and others it is $\widehat{SE}(\hat{\beta})$. It would be wise to consistently use one.
3. (p.543) 10.12(e) should ask for redoing (c) and (d).

11 Additional Topics in Logistic Regression

1. (p.569) Bottom of the page: there are two different misspellings of "overdispersion" in the same paragraph.