1. p.181, 3rd paragraph: The first sentence has no verb and shouldn't Section 6.2 be Section 6.3?
2. p.181, 3rd paragraph, last sentence: The specialized topics dealing with applications to non-parametric quantile regression aren't treated in the final section of the chapter. They are treated in Section 6.10 and 6.11.
3. p.181, 3rd paragraph: Shouldn't a synopsis for Section 6.5, 6.6, 6.7 and 6.8 be given?
4. p.182, last equation: move " x " down a little to align it with the center of ().
5. p.184, second equation: There shouldn't be any subscript for $\sigma$ and subscript $i$ for $b$ is missing.
6. p.184, line -15 : $\sigma_{i}$ should be $\sigma$ without the subcript.
7. p.184, last line: a missing comma before "we have...".
8. p.186, line 6 of Lemma 6.1: "...columns of B..." should be "...columns of A...".
9. p.187, after the second equation: $r_{i}=a_{i}^{\top} x_{0}-b$ should be $r_{i}=a_{i}^{\top} \hat{x}-b_{i}$.
10. p.187, Theorem 6.2: Is the $\hat{u}$ relatedd to $v$ in the previous paragraph?
11. p.187, Theorem 6.2: Since this theorem is not proved and it's derivation isn't very clear, it might help bride the gap to provide the reference to Theorem 7.8.2 in Gill, Murray and Wright (1992).
12. p.187, second equation in Theorem 6.2: $u \geq 0$ should be $\hat{u} \geq 0$.
13. p.187, line -2: $\tilde{c}=(c, 0)^{\top}$ should be $\tilde{c}=\left(c^{\top}, 0\right)^{\top}$
14. p.188, line 16: a missing left (in front of $a_{i} \hat{x}_{i}-b_{i}$
15. p.189, lines 6: add an "as" to after "formulate the primal problem".
16. p.189, line 10: a missing "(ii)" somewhere infront of "...convex combination..."?
17. p.189, 3rd equation: "if $x$ " should "if $x$ "
18. p.189, next 2 lines: " $K=R^{n}, K^{*}=0_{n}$; and $K=R_{+}^{n}, K^{*}=R_{+}^{n}$ " should be " $S=R_{+}^{n}, T=0_{m}$; and $S^{*}=R_{+}^{n}, T^{*}=R_{+}^{m "}$
19. p.190, 4th displayed math: move $d$ down to align with the center of ().
20. p.192, 1st displayed math: I'm not sure if there should be a " $-X(h)^{-1}{ }^{\prime \prime}$ in front of the $\sum \psi_{\tau}^{*}\left(y_{i}-x_{i}^{\top} b(h)\right) x_{i}^{\top}$
21. p.192, line 18: $b(h)$ should be $b\left(h_{0}\right)$ two times.
22. p.193, 2nd displayed math: subscript for min should $b \in R$
23. p.193, 4th displayed math: a missing ")" on the left-hand-side, the second "́́" should be a " + " on the rhs and another missing ")", and the last " + " in the last equation should be a "." and drop the $\left|x_{i}\right|$ at the end. The equation should be

$$
\begin{aligned}
\sum\left(\tau-I\left(y_{i}<x_{i} b\right)\right) x_{i} & =\sum\left(\tau-\frac{1}{2}+\frac{1}{2} \operatorname{sgn}\left(y_{i}-x_{i} b\right)\right) x_{i} \\
& =\sum\left[\tau-\frac{1}{2}+\frac{1}{2} \operatorname{sgn}\left(y_{i} / x_{i}-b\right) \operatorname{sgn}\left(x_{i}\right)\right] x_{i} \\
& =\left(\tau-\frac{1}{2}\right) \sum x_{i}-\frac{1}{2} \sum\left|x_{i}\right| I\left(y_{i} / x_{i}<b\right)
\end{aligned}
$$

or

$$
\begin{aligned}
\sum\left(\tau-I\left(y_{i}<x_{i} b\right)\right) x_{i} & =\sum\left(\tau-\frac{1}{2}+\frac{1}{2} \operatorname{sgn}\left(y_{i}-x_{i} b\right)\right) x_{i} \\
& =\sum\left[\tau-\frac{1}{2}+\frac{1}{2} \operatorname{sgn}\left(y_{i} / x_{i}-b\right) \operatorname{sgn}\left(x_{i}\right)\right] x_{i} \\
& =\left(\tau-\frac{1}{2}\right) \sum x_{i}-\frac{1}{2} \sum\left|x_{i}\right|+\frac{1}{2} \sum\left|x_{i}\right| I\left(y_{i} / x_{i} \geq b\right)
\end{aligned}
$$

24. p.193, the last sentence before the 5 th dispalyed math: "...the corresponding sum of $\left|x_{i}\right|$ 's exceeds..." should be "...the corresponding sum of $\frac{1}{2}\left|x_{i}\right| I\left(y_{i} / x_{i} \geq b_{i}\right)$ 's exceeds..."
25. p.196, line -8: Move the sentence "Denote the $j$ th column of $\tilde{X}$ by $X_{j}$." to before "Our first task is to reduce ..." will read better.
26. p.196, line -7: $i \notin h$ should be $i \notin \hat{h}$
27. p.196, 3rd displayed math: what is $u_{i}$ isn't clear.
28. p.197, 4 lines before the 1 st displayed math: $b(h)$ should be $b(\tilde{h})$
29. p.197, 2 lines down: $h$ should be $\tilde{h}$
30. p.197, 1st displayed math: $h$ should be $\tilde{h} 7$ times.
31. p.197, 2nd displayed math: why is there a " $>$ " in the minimand?
32. p.198, 1st sentence of the 2nd paragraph: "... a large number vertices..." should be "... a large number of vertices..."
33. p.198, 3 lines down: remove the comma after "dimension".
34. p.198, 1st line of the last paragraph: fix "/citeasnouncKarm"
35. p.199, the next line after the 3rd displayed math: (6.58) should be (6.9)
36. p.199, 2 lines down: (6.58) should be (6.9)
37. p.199, 3 lines above the 4 th displayed math: (6.58) should be (6.9)
38. p.200, 1 line before equation (6.16): (6.58) should be (6.9)
39. p.201, last sentence of the 1st paragraph: A period is missing before "But before doing ..."
40. p.202, equation (6.25): Shouldn't it be

$$
p=\mu^{-1} D^{2} s+D e-\mu^{-1} D^{2} \hat{a} e
$$

41. p.204, equation (6.29) and (6.30): A hat is missing for both $p_{d}$ and $p_{z}$ since there is a hat in $\hat{p}_{a}$
42. p.204, the paragraph after (6.30): The comparison between the primaldual direction with the purely primal step dervied isn't discussed explicitly later anywhere.
43. p.208, 1st line: The period after $(0,1)$ should be a comma.
44. p.208, equation (6.36): Shouldn't the $\left(A^{-1}-S^{-1}\right)$ be $\left(A^{-1}+S^{-1}\right)$ and likewise for all subsequant appearance.
45. p.211, equation (6.49): The second " - " sbould be a " + " in $\delta_{u}$
46. p.214, line 2: Fix Renegar. 88
47. p.219, before the beginning of Section 6.9: Why not add the picture of the results for PFN's performance since it's so convincing evidence in the Tortise race.
48. p.291, last line: remove the dash in non-linear.
49. p.220, 3rd displayed math: What is $g\left(\theta^{*}\right)$ ?
50. p. 220 , next line: $J(\theta)=\left(\partial g_{i} / \partial t_{j}\right)$ should be $J(\theta)=\left(\partial g_{i} / \partial \theta_{j}\right)$ ?
51. p.220, equation (6.53): Shouldn't the subscript of min be $\beta \in R^{p}$ instead?
52. p.221, line 1: "minimand" should be "maximand".
53. p.221, equation (6.54): Shouldn't $\left(R^{-1}-S^{-1}\right)$ be $\left(R^{-1}+S^{-1}\right)$ and $g^{\top} r$ be $g^{\top} \delta$ ?
54. p.221, the next displayed math: The 2 nd " + " should be a " - ", no transpose in $J$ and $\left(R^{-1}-S^{-1}\right)$ be $\left(R^{-1}+S^{-1}\right)$. It should be

$$
g+\mu\left(R^{-1}+S^{-1}\right)-\mu\left(R^{-2}+S^{-2}\right) \delta=J \beta
$$

55. p.223, line after equation (6.57): space in front of $d_{1}$.
56. p.223, next line: Aren't $d_{1}$ constrainded to be $\in[\tau-1, \tau]^{n}$ rather than "unconstrained"?
57. p.223, the line after the 2 nd displayed math: $d_{1}=1-\tau+d_{1}, d_{2}=d_{2}$ should be $a_{1}=1-\tau+d_{1}, a_{2}=d_{2}$
58. p.224, line 4: Insert a "in" between "Modern developments" and "sparse linear ...".
59. p. 225 , line 6 : " 200 by 750 " should be " 750 by 200 "
60. p.225, next line: XXX should be $1.6 \%$. I can't obtain YYY yet since the code in tripack and triogram seems to have changed and is causing problem in SparseM. I'll need some more time to fix that.
61. p.225, last line: Figure ?? should be Figure 6.7.
62. p.226, line -5: Reference for Edgeworth (1888) is missing in the Bibliography.
