Typos and Errors In
Linear Algebra and Optimization
with Applications to Machine Learning, Vol. II
by
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49, line -9, the first $\|x_n\|$ should be $\|x_1\|$.
53, middle of page, change “anisometry” to “an isometry”.
87, middle of page, $(a, b]$ should be $(a, b)$.
119, middle of page, change
$\nabla J(u) + \lambda_1 \nabla \varphi_1(u) + \cdots + \lambda_1 \nabla \varphi_m(u)$
$\nabla J(u) + \lambda_1 \nabla \varphi_1(u) + \cdots + \lambda_m \nabla \varphi_m(u)$
120, middle of page, change
“Indeed $dL(u, \mu) = 0$ if equivalent” to “Indeed $dL(u, \mu) = 0$ is equivalent”.
121, middle of page, change $(\text{Jac}(J)(u))^\top$
$\text{to } (\text{Jac}(\varphi)(u))^\top$.
132, 2/3 of the page, change “a function if convex” to “a function is convex”.
149, line 9 and 10, change $\Delta_k$ to $\Delta x_k$.
170, line 4, change “surjective onto” to “injective into”.
189, Problem 6.2, change “surjective onto” to “injective into”.
192, bottom matrix, more space needed between the columns.
195, bottom of page, change “semidefinite” to “semidefinite”.
262, near bottom of page, the pivot is not indicated in red, but by a circle.
341, middle of the page, $J(x) = -x$ should be $J(x) = x$.
355, middle of page, change “coercive” to “coercive”.
403, bottom of page, change “said to be active is” to “said to be active if”
430, 1/3rd of page, change “where where” to “where”.
469, middle of the page, change “Then any solution” to “Then for any solution”.
593, middle of the page, change “arrond” to “around”.
642, the (3, 3) entry in matrix $A$ should be $I_p$.
650, the (2, 3) entry in matrix $A$ should be $I_p$.
665, line -5, change $\theta$ to $\eta$.
676, the (3, 3) entry in matrix $A$ should be $I_p$.
677, the (3, 3) entry in matrix $A_2$ should be $I_p$.
692, the (2, 3) entry in matrix $A$ should be $I_p$.
728, the (3, 3) entry in matrix $A$ should be $I_p$.
729, Problem 18.7, the (2, 3) entry in matrix $A$ should be $I_p$.
730, Problem 18.8 the (3, 3) entry in matrix $A$ should be $I_p$.
730, Problem 18.8 the (3, 3) entry in matrix $A_2$ should be $I_p$.
751, middle of the page, change “arrond” to “around”.
763, line -9, change to $\lambda_+ = K\mu_+, \lambda_- = K\mu_-$.
766, line -5, delete “can” in “can can”.
783, line -12, change $b$ to $w$. 
