These errata were found by Bruce Gould and Joel Brewster Lewis and his students, whom the author sincerely thanks.

Page 19, line 12: Delete the word homogeneous

Page 20, line 3: $2a'_{22}x_2$ should be $a'_{22}x_2$

Page 20, line -10: $\{u_1, u_2, \ldots, u_m\}$ should be $\{u_1, u_2, \ldots, u_n\}$

Page 21, line 21: $T(v_2)$ should be $T_A(v_2)$

Page 21, line 23: $+$ should be $=$

Page 22, line -9: Definition 1.2.10 should be Definition 1.2.9

Page 50, fourth sentence: $(-3)$ row 3 to row 2 should be $(-2)$ row 3 to row 2

Page 50, line -3: row-reduced echelon form should be reduced row-echelon form

Page 50, line -2: some zero should be some zero row

Page 52 second displayed formula: $x_{1j_1}$ should be $x_{j_1}$ and similarly for $x_{2j_2}$ and $x_{kjk}$

Page 71 statement of Lemma 3.3.4: with $n > m$ should be with $n > m$ (possibly $n = \infty$)

Page 71 proof of Lemma 3.3.4: Insert as first line of proof: Since $D$ is linearly dependent if any subset of it is, it suffices to consider the case $D$ finite.
Page 73, line -11: which has $m < n$ vectors should be which has $n < m$ vectors

Page 79, line -1: subset should be subspace

Page 81, proof of Corollary 3.4.4: All five occurrences of $S$ should be $\text{Span}(S)$

Page 101, Exercise 18: function should be continuous function

Page 110, line -7: Corollary 3.5.7 should be Corollary 4.2.7

Page 112 lines -13, -7: $B$ should be $\mathcal{B}$

Page 114, line -11: $C$ should be $\mathcal{C}$

Page 115, lines 19 and 21: Lemma 4.3.7(1) should be Lemma 4.3.7(2) and Lemma 4.3.7(2) should be Lemma 4.3.7(1)

Page 115, line -1: Definition 3.3.1 should be Definition 4.1.1

Page 120, line -8: Let is should be Let us

Page 122, line -3: invertible should be invertible, or nonsingular,

Page 131, line -13: $\text{Int}_a(\text{Der}(f(x)))$ should be $\text{Int}_a(\text{Der}(F(x)))$

Page 186 line 19: $[T]_B$ should be $[T]_B$

Page 196, lines 1-2: $v_1$ has length 1 should be $v_1$ has length 5

Page 224, line -1: $\begin{bmatrix} -30 & 36 \\ -25 & 30 \end{bmatrix}$ should be $\begin{bmatrix} -30 & 36 \\ -25 & 30 \end{bmatrix} \begin{bmatrix} 6 \\ 5 \end{bmatrix}$

Page 225, line -8: eigenvector 0 should be eigenvalue 0
Page 299, line -2: in $V$ should be on $V$

Page 312, line 2: $[\varphi]$ should be $[\varphi']$

Page 312, line 16: $\psi(x, \mathcal{T}^*(y))$ should be $\varphi(x, \mathcal{T}^*(y))$

Page 332, line -1: $(\langle z, x_i \rangle / \|x_i\|)^2$ should be $(\langle z, x_i \rangle / \|x_i\|^2)$

Page 333, line 5: $(\langle w_0, x_i \rangle / \|x_i\|)^2$ should be $(\langle w_0, x_i \rangle / \|x_i\|^2)$