Corrigendum to "Consumer Scores and Price Discrimination"

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1. A typing error occurred in Section 5, p. 764 (p.19 in the working paper), when stating (for expositional purposes) the well-known *projection theorem for Gaussian random variables* - while all the results on the paper are derived using the correct formulae, leaving the incorrect expressions unchanged may lead to unnecessary confusion. Specifically, the first (i.e., left-most) term in display (5.17) should read

$$\frac{\mathrm{Cov}[\theta_t, Y_t]^2}{\mathrm{Var}[\theta_t]\mathrm{Var}[Y_t]}$$

(it currently reads $\frac{\mathrm{Cov}[\theta_t, Y_t]}{\mathrm{Var}[\theta_t]\mathrm{Var}[M_t]}$). Second, the formula in footnote 24 should read

$$\mathrm{Var}[\theta_t|Y_t] = \mathrm{Var}[\theta_t]\left(1 - \frac{\mathrm{Cov}[\theta_t, Y_t]^2}{\mathrm{Var}[\theta_t]\mathrm{Var}[Y_t]}\right)$$

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2. Two subindices were discovered to be missing in pp. 761–762 (the changes below are for consistency throughout the paper only, i.e., no results are again compromised):

   - On p. 761, first display (i.e., above (4.9)), second line, the first term in the expression below the horizontal bracket should read

   $$= \mathbb{E}_t[\Delta M_t]$$

   i.e., the subindex t was missing in $\mathbb{E}$;

   - At the top of p. 762, the first line of the first display should carry $\mathbb{E}_0$ instead of $\mathbb{E}$; i.e., a subindex 0 was missing.