

# Errata Slip

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In the published version of the paper “Verifiable European Elections: Risk-limiting Audits for D’Hondt and its Relatives,” (pp. 18–39), the following corrections were made to the updated online version:

Page 34:

Added equation number (15)

Changed equation number (15) to (16)

Changed equation number (16) to (17)

Original:

$$\begin{aligned} & \mathbb{E}(\gamma(1-t/U)^{-1}\tilde{D}_i + (1-\gamma)) \\ &= \frac{\gamma}{1-t/U} \mathbb{E}\tilde{D}_i + (1-\gamma) \\ &= \frac{\gamma}{1-t/U} (1-t/U) + 1-\gamma \\ &= \gamma \cdot 1 + (1-\gamma) \\ &= 1. \end{aligned}$$

Now,

$$\mathbb{E}(\gamma(1-t/U)^{-1}\tilde{D}_i + (1-\gamma)) \equiv \sum_{j=1}^N (\gamma(1-t/U)^{-1}\tilde{d}_j + 1-\gamma)p_j. \quad (15)$$

Let

$$g_{j,t,\gamma} \equiv (\gamma(1-t/U)^{-1}\tilde{d}_j + 1-\gamma)p_j, \quad j = 1, \dots, N. \quad (16)$$

Corrected:

$$\begin{aligned} & \mathbb{E}(\gamma(1-t/U)^{-1}\tilde{D}_i + (1-\gamma)) \\ &= \frac{\gamma}{1-t/U} \mathbb{E}\tilde{D}_i + (1-\gamma) \\ &= \frac{\gamma}{1-t/U} (1-t/U) + 1-\gamma \\ &= \gamma \cdot 1 + (1-\gamma) \\ &= 1. \end{aligned} \quad (15)$$

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Let

$$g_{j,t,\gamma} \equiv (\gamma(1-t/U)^{-1}\tilde{d}_j + 1-\gamma)p_j, \quad j = 1, \dots, N. \quad (17)$$

Page 35:

Citation 15 changed to 16

Citation 15 added

Original:

Since  $t/U \in [0, 1]$  and all  $\{\tilde{d}_j\}$  are nonnegative, it follows from (15) and (??) that  $g_{j,t,\gamma} \geq 0$  and

Corrected:

Since  $t/U \in [0, 1]$  and all  $\{\tilde{d}_j\}$  are nonnegative, it follows from (16) and (15) that  $g_{j,t,\gamma} \geq 0$  and