$$\begin{split} \widetilde{K}[\widehat{m_1}\widehat{R_1}] &= Cov(\widehat{m_1},\widehat{R_1}) + E[\widehat{m_1}]F[\widehat{R_1}] \\ &= E[\widehat{xy}] - \mu_x \mu_y \\ &= E[\widehat{x}] - \mu_x \mu_y \end{split}$$

$$&= E[\widehat{x},\widehat{y}] - \mu_x \mu_y \\ &= E[\widehat{x},\widehat{y}] - \mu_x \mu_y \\ &= E[\widehat{x},\widehat{y}] - \mu_x \mu_y \end{split}$$

$$&= E[\widehat{x},\widehat{y}] - \mu_x \mu_y \\ &= E[\widehat{x},\widehat{y}] - \mu_x \mu_y \end{split}$$

$$&= E[\widehat{x},\widehat{y}] - \mu_x \mu_y \\ &= E[\widehat{x},\widehat{y}] - \mu_x \mu_y \end{split}$$

$$&= E[\widehat{x},\widehat{y}] - \mu_x \mu_y \\ &= E[\widehat{x},\widehat{x}] - \mu_x \mu_y \\ &= E[\widehat{$$