$$b = 1000 \frac{\left(\sum_{j=0}^{8} X_j Y_j - \frac{1}{9} \sum_{j=0}^{8} X_j \sum_{j=0}^{8} Y_j \right)}{\sum_{j=0}^{8} X_j^{\,2} - \frac{1}{9} \left(\sum_{j=0}^{8} X_j \right)^2}$$