Residuals (actual salary - predicted salary) are determined separately for each academic unit. Standard error ranges from $9,780 to $22,662.

Sources: Payroll/Personnel System Extract as of 10-31-2000, Academic Personnel
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Sources: Payroll/Personnel System Extract as of 10-31-2000, Academic Personnel
Residual = actual salary - predicted salary

Predicted salary = \$31.70 \times 10^5 + (-$573 \times \text{year of hire}) + ($18,747 \times \text{degree indicator}) + (-$1,900 \times \text{degree year}) + ($912 \times \text{year of birth})

Standard error = $14,972

Residual = actual salary - predicted salary

Predicted salary = $39.58 \times 10^5 + ($1,105 \times \text{year of hire}) + (-$3929 \times \text{degree year}) + ($876 \times \text{year of birth})

Standard error = $14,327

Residual = actual salary - predicted salary

Predicted salary = $35.81 \times 10^5 + ($798 \times \text{year of hire}) + (-$1,477 \times \text{degree year}) + (-$1,098 \times \text{year of birth})

Standard error = $12,629

Residual = actual salary - predicted salary

Predicted salary = $32.20 \times 10^5 + (829 \times \text{(year of hire)}) + (8,404 \times \text{(degree indicator)}) + (-4,936 \times \text{(degree year)}) + (2,552 \times \text{(year of birth)})

Standard error = $17,903

Residual = actual salary - predicted salary

Predicted salary = $30.25 \times 10^5 + ($63 \times \text{year of hire}) + (-$666 \times \text{degree year}) + (-$889 \times \text{year of birth})

Standard error = $11,051

Residual = actual salary - predicted salary

Predicted salary = $17.87 \times 10^5 + (87 \times \text{year of hire}) + (-1342 \times \text{degree year}) + (400 \times \text{year of birth}) + (16,479 \times \text{degree indicator})

Standard error = $22,662

Residual = actual salary - predicted salary

Predicted salary = $30.49 \times 10^5 + (421 \times \text{(year of hire)}) + (-2477 \times \text{(degree year)}) + (568 \times \text{(year of birth)})

Standard error = $16,795

Residual = actual salary - predicted salary
Predicted salary = $32.6 \times 10^5 + (-$129 \times \text{year of hire}) + (-$1,823 \times \text{degree year}) + ($352 \times \text{year of birth})
Standard error = $9,780

Residual = actual salary - predicted salary
Predicted salary = $31.75 * 10^5 + ($1,024 * \text{(year of hire)}) + (-$3,347 * \text{(degree year)}) + ($772 * \text{(year of birth)})
Standard error = $14,725