

# Market Range Detail - Regression Modeler Supervisor

## Effective Date

October 17, 2011

## Market Range Title Description

### PURPOSE STATEMENT

Supervises a highly technical staff specializing in developing regression and statistical models which analyze property data and market trends to produce property values for Maricopa County in accordance with prevailing statutes. Plans and oversees staff work to ensure the accuracy and timeliness of the (modeling) valuation process, and works closely with appraisal units in the Assessor's Office to coordinate data collection and analysis needs, and integration with Assessor appraisal practices.

### PRIMARY DUTIES

- Develops plans for the number and type of models and staff resource allocation needed to produce fair and equitable values according to mandated (legislated) and Assessor office requirements.
- Ensures that the Assessor's Office meets statutory property valuation deadlines and guidelines by supervising the design and implementation of mass appraisal models, statistical models and computer programs to produce fair and equitable property values in a timely and accurate manner.
- Assures the quality of models and values produced by the CAMA team by establishing and administering standards and protocols, reviewing the models produced by staff and conducting final reviews of tax roll values for the entire county real property tax base. Reviews models, model protocols and analysis of values with the Chief Modeler to attain consensus. Based on this review and analysis, makes recommendations for adjustments, models and property values for decision by the Chief Appraiser and the Assessor, and oversees the implementation of approved recommendations.
- Promotes effective use and understanding of CAMA models and tools by coordinating CAMA activity with appraisal operations, meeting with Assessor leadership to explain models, market trends, valuation results and variances, conducting or overseeing educational sessions for appraisal staff, etc. Develops or oversees special reports, analysis and projects for senior Assessor leadership.
- Develops a skilled, motivated, and focused CAMA staff by providing guidance in problem resolution, training or arranging for training, setting objectives and standards and evaluating performance, providing feedback on specific models, making operational decisions, etc.
- Ensures the refinement of existing models and the development of new models and tools by personally and also working with the Chief Modeler to identify enhancements, simplifications and changes in the modeling process, data collection, analysis and reporting standards.
- Shares the model load by personally conducting analysis, developing regression models and tools, etc. toward the completion of all statutory and Assessor Office modeling commitments.

## Market Range

Minimum Hourly Rate	Midpoint / Hiring Maximum	Maximum Hourly Rate
\$35.18	\$43.94	\$52.69

## Likely Minimum Qualifications

- A minimum of five years experience in computer assisted mass appraisal, multiple regression analysis or sales ratio studies.
- Bachelor's degree in Economics, Computer Science, Statistics, Business Administration or a related discipline which includes a significant amount of statistics/quantitative analysis.
- Other combinations of education and experience may be considered in substitution for the minimum qualifications

### Glossary:

**Market Range Title:** Broad grouping of related positions with like job responsibilities and qualifications. Market Range Titles typically include positions ranging from entry level to senior/lead level unless indicated otherwise.

**Effective date:** The date the salary range was implemented for use.

**Market Range Title Description:** Broad description of sample job duties and responsibilities of positions included in the Market Range Title. Each position included in a Market Range Title also has a job description that is specific to the department. Departments are responsible for writing and maintaining job descriptions for positions in their department. Employee Compensation is responsible for writing and maintaining Market Range Title Descriptions.

**Likely Minimum Qualifications:** Typical minimum qualifications for positions assigned to the Market Range Title. Because a broad group of jobs in different departments are included in a Market Range Title, minimum and preferred qualifications may vary slightly depending on the area of assignment.

**Market Range:** The minimum, midpoint, and maximum salary points for all positions included in the Market Range Title.

**Hiring Range:** The hiring range for all positions is ordinarily the minimum of the market range to the midpoint. The use of a different hiring range must be approved by Employee Compensation. Departments should use a hiring range that is within their funding capabilities and are required to comply with the County's Funded Position Policy ensuring that applicants are extended a rate that is supported by the department's budget.

**Working Title:** The specific title used by a department to identify a position within their organizational structure. Use of working titles is flexible and aimed to assist departments in identifying the unique functions and responsibilities of each position and is representative of the assigned Market Range Title. Ordinarily, supervisory and/or managerial titles should not be used for positions not assigned to a supervisory and/or manager Market Range Title.