

Missouri Public Service Commission

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Data Center
Missouri Public
Service Commission

Respond Data Request

Data Request No.	0118	
Company Name	MO PSC Staff-(All)	
Case/Tracking No.	EO-2011-0390	
Date Requested	3/27/2012	
Issue	Other - Other	
Requested From	Dana Eaves	
Requested By	Stephanie Gates	
Brief Description	On page 15, lines 9-10, of the Rebuttal Testimony of Dana Eaves	
Description	<p>On page 15, lines 9-10, of the Rebuttal Testimony of Dana Eaves, Mr. Eaves indicates that a correlation co-efficient of 0.8941 has a "strong positive association." a. Please provide any support for this conclusion. b. Provide any references to statistical textbooks, treatises or articles in Staff's possession that indicate that a co-efficient of 0.8941 is a "strong positive association." Please provide a copy of any pages from these references that support this conclusion. c. State the minimum level that a correlation co-efficient would have to be for Mr. Eaves to conclude that the correlation co-efficient has a "strong positive association."</p>	
Response	<p>A. http://irthoughts.wordpress.com/2010/11/29/understanding-correlation/ http://mste.illinois.edu/courses/ci330ms/youtsey/scatterinfo.html http://mathbits.com/mathbits/tisection/statistics2/correlation.htm B. See response to "a", above. C. Mr. Eaves provides the following reference; "As a rule of thumb a strong correlation or relationship has an r-value range of between 0.85 to 1, or -0.85 to -1. In a moderate correlation, the r-value ranges from 0.75 to 0.85 or, -0.75 to -0.85. In a weak correlation, one that is not a very helpful predictor, r ranges from 0.60 to 0.74 or -0.60 to 0.74. Though an entirely random relationship equals, 0.00, any relationship that has a correlation r-value that is 0.59 and below is not considered to be a reliable predictor." See: http://irthoughts.wordpress.com/2010/11/29/understanding-correlation/</p>	
Objections	NA	

The attached information provided to **Missouri Public Service Commission** Staff in response to the above data information request is accurate and complete, and contains no material misrepresentations or omissions, based upon present facts of which the undersigned has knowledge, information or belief. The undersigned agrees to immediately inform the **Missouri Public Service Commission** if, during the pendency of Case No. **EO-2011-0390** before the Commission, any matters are discovered which would materially affect the accuracy or completeness of the attached information. If these data are voluminous, please (1) identify the relevant documents and their location (2) make arrangements with requestor to have documents available for inspection in the **MO PSC Staff-(All)** office, or other location mutually agreeable. Where identification of a document is requested, briefly describe the document (e.g. book, letter, memorandum, report) and state the following information as applicable for the particular document: name, title number, author, date of