



**Data Interrogation: Using Complementary and Opposing Lenses for Un-and Dis-covering**

**American Evaluation Association (AEA) 2019 Conference**

**Minneapolis, Minnesota**

**November 15, 2019**

**11:30 a.m.–12:15 p.m. (multi-paper session)**

**Presented by**

Dr. Bradley Rentz, researcher, REL Pacific at McREL International

Dr. Sheila A. Arens, acting deputy director, REL Pacific at McREL International

**1 minute**      **Welcome, Introductions and Overview of REL Pacific**

**5 minutes**      **The Role of Biases and Downfalls in Using Linear Regression Analyses**

- Drs. Rentz and Arens will present on how using common statistical methods can embed social biases into analyses.

**5 minutes**      **Alternate Analysis Methods**

- Drs. Rentz and Arens will present on how machine-learning analytic tools can provide new insights in applied education research in the areas of college and career readiness and teacher preparation in the Pacific Region and beyond.

**3 minutes**      **Wrap-up, Q&A, and Stakeholder Feedback Survey**