

**Findings from a Pre-Post Survey Administered to 344 OTA-121  
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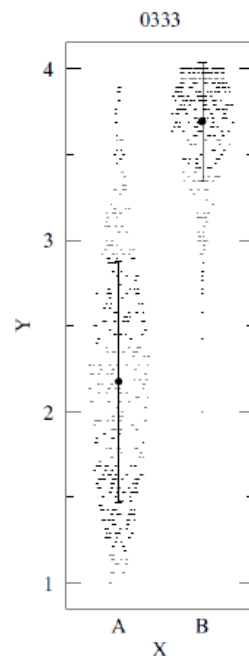
**Data Collection**

Pre and Post surveys were administered online to 344 OTA-121 participants. Our online “self-efficacy” survey was administered to total of 344 online course participants using Survey Monkey (online), and Questionnaire Activity (Mod) on OTA’s Moodle server. Data was prepared for analysis by Dr. Robert Blomeyer to assure the confidentiality of all responses.

These pre-post items probed each OTA-121 participants attitudes toward crucial, research-based knowledge, performance-based skills and dispositions required for “standards-based” online teacher or “facilitation” performance, as defined in iNACOL’s [National Standards for Quality Online Teaching](#).

The mean gain between the pre and post surveys was 1.61 (with a four point scale) or approximately a 38% mean gain on a four-point Likert survey scale.

Pre-Post Survey Linear-Data-Swarm(mean with error bars)-Plot



Our findings suggest the 344 participants in OTA-121 showed a “statistically significant” gain (38%) in self-esteem, confidence in being effective educators online, and their willingness to embrace teaching assignments in fully online and blended learning environments.

The probability of this "effect" being accidental (i.e. a *statistical accident*) is less than .0001., or .01% ([Click here to download a longer version of these findings.](#))

