CLAIMS

1. An apparatus for assessing instructor ratings, comprising:

a processor; and

a memory that stores code executable by the processor to:

receive a raw instructor rating data set, the raw instructor rating data set comprising a plurality of ratings from an individual instructor, each one of the plurality of rating corresponding to a numerical value on a defined rating scale;

determine a rating skewness of the plurality of ratings by subtracting a second central tendency measure of the plurality of ratings from a first central tendency measure of the defined rating scale to generate a result, and dividing the result by a standard deviation of the plurality of ratings;

compare the skewness of the plurality of ratings to at least one comparative rating skewness to generate a skewness comparison report;

determine if the individual instructor requires instructor training based on the skewness comparison report;

if determined that the individual instructor requires instructor training, identify a required instructor training to provide to the individual instructor; and

make the rating skewness, the skewness comparison report, and the required instructor training accessible to one or more end users.

2. The apparatus of claim 1, wherein the first central tendency measure is the mean of the defined rating scale.

3. The apparatus of claim 1, wherein the first central tendency measure is the mode of the defined rating scale.

4. The apparatus of any one of claims 1 to 3, wherein the first central tendency measure is a predetermined reference value.

5. The apparatus of any one of claims 1 to 4, wherein the second central tendency measure is the mode of the plurality of ratings from the individual instructor.

6. The apparatus of any one of claims 1 to 4, wherein the second central tendency measure is the median of the plurality of ratings from the individual instructor.

7. The apparatus of any one of claims 1 to 6, wherein the plurality of ratings corresponds to an evaluation period.

8. The apparatus of any one of claims 1 to 7, wherein the required instructor training is determined based on a magnitude of the rating skewness in the skewness comparison report.

9. The apparatus of any one of claims 1 to 8, wherein the defined rating scale is a numerical scale from 1 to 5.

10. The apparatus of any one of claims 1 to 9, wherein:

the individual instructor is a flight instructor; and

the raw instructor rating data set comprises performance ratings provided by the flight instructor after a flight training session, optionally,

wherein the required instructor training identified for the flight instructor includes aviation-specific teaching methodologies and flight simulation techniques.

11. The apparatus of any one of claims 1 to 10, wherein:

the memory further stores code executable by the processor to receive additional data sources; and

the additional data sources are made accessible to one or more end users, and/or

wherein the skewness comparison report comprises a visual representation of the rating skewness of the raw instructors rating data set.

12. The apparatus of any one of claims 1 to 11, wherein the memory further stores code executable by the processor to:

receive a raw instructor rating data set corresponding to each one of a plurality of individual instructors;

generate a skewness comparison report for each one of the plurality of individual instructors; and

analyze the generated skewness comparison reports to compare performance of each individual instructor to others of the plurality of individual instructors.

13. The apparatus of claim 12, wherein:

receiving the raw instructor rating data set comprises receiving a raw instructor rating data set comprising a plurality of ratings corresponding to a plurality of evaluation periods; and

the memory further stores code executable by the processor to:

track changes in the rating skewness of the plurality of ratings from each one of the plurality of evaluation periods; and

adjust the required instructor training based on observed changes in the rating skewness over time, optionally,

wherein the memory further stores code executable by the processor to:

analyze the rating skewness of the plurality of ratings from each one of the plurality of evaluation periods to identify trends in the rating skewness over the plurality of evaluation periods; and

generate a training recommendation based on the identified trends.

14. A method for assessing instructor ratings, comprising:

receiving a raw instructor rating data set, the raw instructor rating data set comprising a plurality of ratings from an individual instructor, each one of the plurality of rating corresponding to a numerical value on a defined rating scale;

determining a rating skewness of the plurality of ratings by subtracting a second central tendency measure of the plurality of ratings from a first central tendency measure of the defined rating scale to generate a result, and dividing the result by a standard deviation of the plurality of ratings;

comparing the rating skewness of the plurality of ratings to at least one comparative rating skewness to generate a skewness comparison report;

determining if the individual instructor requires instructor training based on the skewness comparison report;

if determined that the individual instructor requires instructor training, identifying a required instructor training to provide to the individual instructor; and

making the rating skewness, the skewness comparison report, and the required instructor training accessible to one or more end users.

15. A program product for assessing instructor ratings comprising a non-transitory computer readable storage medium storing code, the code being configured to be executable by a processor to perform operations comprising:

receiving a raw instructor rating data set, the raw instructor rating data set comprising a plurality of ratings from an individual instructor, each one of the plurality of rating corresponding to a numerical value on a defined rating scale;

determining a rating skewness of the plurality of rating by subtracting a second central tendency measure of the plurality of ratings from a first central tendency measure of the defined rating scale to generate a result, and dividing the result by a standard deviation of the plurality of ratings;

comparing the rating skewness of the plurality of ratings to at least one comparative rating skewness rating to generate a skewness comparison report;

determining if the individual instructor requires instructor training based on the skewness comparison report;

if determined that the individual instructor requires instructor training, identifying the required instructor training to provide to the individual instructor; and

making the rating skewness, the skewness comparison report, and the required instructor training accessible to one or more end users.