

Spring 2004 TEFEE Item Analysis by Race

Between-Subjects Factors

| | Value Label | N | |
|------|-------------|----------|-----|
| race | 1.00 | white | 166 |
| | 2.00 | black | 11 |
| | 3.00 | hispanic | 2 |
| | 4.00 | asian | 1 |

Multivariate Tests^c

| Effect | | Value | F | Hypothesis df | Error df | Sig. |
|-----------|--------------------|---------|-----------------------|---------------|----------|------|
| Intercept | Pillai's Trace | .999 | 3718.811 ^a | 27.000 | 150.000 | .000 |
| | Wilks' Lambda | .001 | 3718.811 ^a | 27.000 | 150.000 | .000 |
| | Hotelling's Trace | 669.386 | 3718.811 ^a | 27.000 | 150.000 | .000 |
| | Roy's Largest Root | 669.386 | 3718.811 ^a | 27.000 | 150.000 | .000 |
| race | Pillai's Trace | .450 | .993 | 81.000 | 456.000 | .500 |
| | Wilks' Lambda | .574 | 1.130 | 81.000 | 449.511 | .222 |
| | Hotelling's Trace | .699 | 1.282 | 81.000 | 446.000 | .062 |
| | Roy's Largest Root | .632 | 3.558 ^b | 27.000 | 152.000 | .000 |

a. Exact statistic

b. The statistic is an upper bound on F that yields a lower bound on the significance level.

c. Design: Intercept+race

Tests of Between-Subjects Effects

| Source | Dependent Variable | Type III Sum of Squares | df | Mean Square | F | Sig. |
|--------|---|-------------------------|----|-------------|-------|------|
| race | Demonstrates positive collaborative interactions with students, colleagues, families, and communities. | .002 | 3 | .001 | .056 | .983 |
| | Participates in professional development activities. | .023 | 3 | .008 | .201 | .896 |
| | Demonstrates effective oral, written, and nonverbal communication. | .457 | 3 | .152 | 6.095 | .001 |
| | Demonstrate a positive effect on learning for all students, including students from diverse groups. | .002 | 3 | .001 | .056 | .983 |
| | Accepts constructive criticism and reacts positively toward improving. | .000 | 3 | .000 | .028 | .994 |
| | Identifies issues that are specific to a school setting and takes appropriate action when change is needed. | .000 | 3 | .000 | .028 | .994 |
| | Holds and communicates high expectations for achievement through design and implementation of lessons and interactions with all students. | .004 | 3 | .001 | .084 | .969 |
| | Demonstrates an accurate understanding of content knowledge in lesson development, delivery, and assessment. | .047 | 3 | .016 | .292 | .831 |

Tests of Between-Subjects Effects

| Source | Dependent Variable | Type III Sum of Squares | df | Mean Square | F | Sig. |
|--------|---|-------------------------|----|-------------|------|------|
| race | Demonstrates an understanding and acceptance of global perspectives (multicultural, community, school, and family) in lesson development, delivery, and assessment. | .023 | 3 | .008 | .201 | .896 |
| | Demonstrates knowledge of human growth and development and learning theory in lesson development, delivery, and assessment. | .007 | 3 | .002 | .113 | .953 |
| | Demonstrates an understanding of the intellectual, social, and emotional needs of students in lesson development, delivery, and assessment. | .023 | 3 | .008 | .201 | .896 |
| | Develops, delivers, and evaluates lessons that have a structure that includes a beginning, middle, and end that are appropriate for groups and individuals. | .030 | 3 | .010 | .231 | .875 |
| | Uses student learning and achievement data to develop and deliver structured lessons. | .036 | 3 | .012 | .312 | .817 |
| | Uses student learning and achievement data to monitor student progress toward continuous improvement. | .042 | 3 | .014 | .423 | .737 |
| | Builds lesson content that demonstrates an understanding of scope, sequence, and continuity of PS-12 experiences. | .007 | 3 | .002 | .113 | .953 |
| | Develops lessons that incorporate knowledge of scientifically-based research. | .038 | 3 | .013 | .262 | .853 |
| | Uses a variety of instructional strategies dependent on the needs/characteristics of the groups and individuals in the program. | .023 | 3 | .008 | .201 | .896 |
| | Effectively incorporates technology into planning, teaching, and assessment. | .007 | 3 | .002 | .113 | .953 |
| | Monitors student learning and understanding through effective questioning strategies as appropriate to the learner and the setting. | .047 | 3 | .016 | .292 | .831 |
| | Identifies, develops, and implements appropriate adaptations to content, materials, and curriculum to meet the needs of diverse learners. | .036 | 3 | .012 | .312 | .817 |
| | Uses critical thinking and reflective practices to create, modify, and maintain effective instruction. | .023 | 3 | .008 | .155 | .927 |
| | Demonstrates a sensitivity to the needs of students and their families when making educational decisions. | .002 | 3 | .001 | .056 | .983 |
| | Takes responsibility for educational decisions made and educational actions taken. | .007 | 3 | .002 | .113 | .953 |

Tests of Between-Subjects Effects

| Source | Dependent Variable | Type III Sum of Squares | df | Mean Square | F | Sig. |
|--------|---|-------------------------|----|-------------|------|------|
| race | Establishes a positive environment conducive to learning. | .004 | 3 | .001 | .084 | .969 |
| | Applies classroom management rules consistently. | .120 | 3 | .040 | .487 | .692 |
| | Plans instruction to keep students constructively occupied with an appropriate level of structure for groups and individuals. | .023 | 3 | .008 | .201 | .896 |
| | Implements an effective behavior management system. | .030 | 3 | .010 | .231 | .875 |
| | Uses resources of time, space, and materials appropriately within the confines of the setting. | .030 | 3 | .010 | .231 | .875 |
| | Uses praise selectively and effectively and implements appropriate motivational strategies. | .007 | 3 | .002 | .113 | .953 |

Estimated Marginal Means

race

| Dependent Variable | race | Mean | Std. Error | 95% Confidence Interval | |
|--|----------|-------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| Demonstrates positive collaborative interactions with students, colleagues, families, and communities. | white | 3.988 | .008 | 3.972 | 4.004 |
| | black | 4.000 | .032 | 3.937 | 4.063 |
| | hispanic | 4.000 | .075 | 3.852 | 4.148 |
| | asian | 4.000 | .106 | 3.791 | 4.209 |
| Participates in professional development activities. | white | 3.958 | .015 | 3.928 | 3.988 |
| | black | 4.000 | .059 | 3.884 | 4.116 |
| | hispanic | 4.000 | .138 | 3.728 | 4.272 |
| | asian | 4.000 | .195 | 3.615 | 4.385 |
| Demonstrates effective oral, written, and nonverbal communication. | white | 3.976 | .012 | 3.952 | 4.000 |
| | black | 4.000 | .048 | 3.906 | 4.094 |
| | hispanic | 3.500 | .112 | 3.279 | 3.721 |
| | asian | 4.000 | .158 | 3.688 | 4.312 |
| Demonstrate a positive effect on learning for all students, including students from diverse groups. | white | 3.988 | .008 | 3.972 | 4.004 |
| | black | 4.000 | .032 | 3.937 | 4.063 |
| | hispanic | 4.000 | .075 | 3.852 | 4.148 |
| | asian | 4.000 | .106 | 3.791 | 4.209 |
| | | | 4.000 | .106 | 3.791 |
| Accepts constructive criticism and reacts positively toward improving. | white | 3.994 | .006 | 3.982 | 4.005 |
| | black | 4.000 | .023 | 3.955 | 4.045 |
| | hispanic | 4.000 | .053 | 3.895 | 4.105 |
| | asian | 4.000 | .075 | 3.852 | 4.148 |

race

| Dependent Variable | race | Mean | Std. Error | 95% Confidence Interval | |
|--|----------|-------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| Identifies issues that are specific to a school setting and takes appropriate action when change is needed | white | 3.994 | .006 | 3.982 | 4.005 |
| | black | 4.000 | .023 | 3.955 | 4.045 |
| | hispanic | 4.000 | .053 | 3.895 | 4.105 |
| | asian | 4.000 | .075 | 3.852 | 4.148 |
| Holds and communicates high expectations for achievement through design and implementation of lessons | white | 3.982 | .010 | 3.962 | 4.002 |
| | black | 4.000 | .039 | 3.923 | 4.077 |
| | hispanic | 4.000 | .091 | 3.819 | 4.181 |
| | asian | 4.000 | .129 | 3.745 | 4.255 |
| Demonstrates an accurate understanding of content knowledge in lesson development, delivery, and assessment | white | 3.940 | .018 | 3.904 | 3.975 |
| | black | 4.000 | .070 | 3.863 | 4.137 |
| | hispanic | 4.000 | .163 | 3.678 | 4.322 |
| | asian | 4.000 | .231 | 3.544 | 4.456 |
| Demonstrates an understanding and acceptance of global perspectives (multicultural, community school and | white | 3.958 | .015 | 3.928 | 3.988 |
| | black | 4.000 | .059 | 3.884 | 4.116 |
| | hispanic | 4.000 | .138 | 3.728 | 4.272 |
| | asian | 4.000 | .195 | 3.615 | 4.385 |
| Demonstrates knowledge of human growth and development and learning theory in lesson development delivery | white | 3.976 | .012 | 3.953 | 3.999 |
| | black | 4.000 | .045 | 3.911 | 4.089 |
| | hispanic | 4.000 | .105 | 3.792 | 4.208 |
| | asian | 4.000 | .149 | 3.706 | 4.294 |
| Demonstrates an understanding of the intellectual, social, and emotional needs of students in lesson | white | 3.958 | .015 | 3.928 | 3.988 |
| | black | 4.000 | .059 | 3.884 | 4.116 |
| | hispanic | 4.000 | .138 | 3.728 | 4.272 |
| | asian | 4.000 | .195 | 3.615 | 4.385 |
| Develops, delivers, and evaluates lessons that have a structure that includes a beginning, middle and end that are | white | 3.952 | .016 | 3.920 | 3.984 |
| | black | 4.000 | .063 | 3.876 | 4.124 |
| | hispanic | 4.000 | .147 | 3.710 | 4.290 |
| | asian | 4.000 | .208 | 3.590 | 4.410 |
| Uses student learning and achievement data to develop and deliver structured lessons. | white | 3.964 | .015 | 3.934 | 3.994 |
| | black | 3.909 | .059 | 3.793 | 4.025 |
| | hispanic | 4.000 | .138 | 3.728 | 4.272 |
| | asian | 4.000 | .195 | 3.615 | 4.385 |
| Uses student learning and achievement data to monitor student progress toward continuous improvement | white | 3.970 | .014 | 3.942 | 3.998 |
| | black | 3.909 | .055 | 3.801 | 4.017 |
| | hispanic | 4.000 | .128 | 3.748 | 4.252 |
| | asian | 4.000 | .181 | 3.643 | 4.357 |
| Builds lesson content that demonstrates an understanding of scope, sequence, and continuity of PS-12 experiences | white | 3.976 | .012 | 3.953 | 3.999 |
| | black | 4.000 | .045 | 3.911 | 4.089 |
| | hispanic | 4.000 | .105 | 3.792 | 4.208 |
| | asian | 4.000 | .149 | 3.706 | 4.294 |
| Develops lessons that incorporate knowledge of scientifically-based research. | white | 3.946 | .017 | 3.912 | 3.979 |
| | black | 4.000 | .066 | 3.869 | 4.131 |
| | hispanic | 4.000 | .156 | 3.693 | 4.307 |
| | asian | 4.000 | .220 | 3.566 | 4.434 |
| Uses a variety of instructional strategies dependent on the needs/characteristics of the groups and individuals | white | 3.958 | .015 | 3.928 | 3.988 |
| | black | 4.000 | .059 | 3.884 | 4.116 |
| | hispanic | 4.000 | .138 | 3.728 | 4.272 |
| | asian | 4.000 | .195 | 3.615 | 4.385 |

race

| Dependent Variable | race | Mean | Std. Error | 95% Confidence Interval | |
|---|----------|-------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| Effectively incorporates technology into planning, teaching, and assessment. | white | 3.976 | .012 | 3.953 | 3.999 |
| | black | 4.000 | .045 | 3.911 | 4.089 |
| | hispanic | 4.000 | .105 | 3.792 | 4.208 |
| | asian | 4.000 | .149 | 3.706 | 4.294 |
| Monitors student learning and understanding through effective questioning strategies as appropriate to the learner | white | 3.940 | .018 | 3.904 | 3.975 |
| | black | 4.000 | .070 | 3.863 | 4.137 |
| | hispanic | 4.000 | .163 | 3.678 | 4.322 |
| | asian | 4.000 | .231 | 3.544 | 4.456 |
| Identifies, develops, and implements appropriate adaptations to content, materials, and curriculum to meet the needs of | white | 3.964 | .015 | 3.934 | 3.994 |
| | black | 3.909 | .059 | 3.793 | 4.025 |
| | hispanic | 4.000 | .138 | 3.728 | 4.272 |
| | asian | 4.000 | .195 | 3.615 | 4.385 |
| Uses critical thinking and reflective practices to create, modify, and maintain effective instruction | white | 3.958 | .017 | 3.924 | 3.992 |
| | black | 4.000 | .067 | 3.868 | 4.132 |
| | hispanic | 4.000 | .157 | 3.690 | 4.310 |
| | asian | 4.000 | .222 | 3.561 | 4.439 |
| Demonstrates a sensitivity to the needs of students and their families when making educational decisions | white | 3.988 | .008 | 3.972 | 4.004 |
| | black | 4.000 | .032 | 3.937 | 4.063 |
| | hispanic | 4.000 | .075 | 3.852 | 4.148 |
| | asian | 4.000 | .106 | 3.791 | 4.209 |
| Takes responsibility for educational decisions made and educational actions taken. | white | 3.976 | .012 | 3.953 | 3.999 |
| | black | 4.000 | .045 | 3.911 | 4.089 |
| | hispanic | 4.000 | .105 | 3.792 | 4.208 |
| | asian | 4.000 | .149 | 3.706 | 4.294 |
| Establishes a positive environment conducive to learning. | white | 3.982 | .010 | 3.962 | 4.002 |
| | black | 4.000 | .039 | 3.923 | 4.077 |
| | hispanic | 4.000 | .091 | 3.819 | 4.181 |
| | asian | 4.000 | .129 | 3.745 | 4.255 |
| Applies classroom management rules consistently. | white | 3.904 | .022 | 3.860 | 3.948 |
| | black | 4.000 | .086 | 3.829 | 4.171 |
| | hispanic | 4.000 | .203 | 3.600 | 4.400 |
| | asian | 4.000 | .287 | 3.434 | 4.566 |
| Plans instruction to keep students constructively occupied with an appropriate level of structure for groups and | white | 3.958 | .015 | 3.928 | 3.988 |
| | black | 4.000 | .059 | 3.884 | 4.116 |
| | hispanic | 4.000 | .138 | 3.728 | 4.272 |
| | asian | 4.000 | .195 | 3.615 | 4.385 |
| Implements an effective behavior management system. | white | 3.952 | .016 | 3.920 | 3.984 |
| | black | 4.000 | .063 | 3.876 | 4.124 |
| | hispanic | 4.000 | .147 | 3.710 | 4.290 |
| | asian | 4.000 | .208 | 3.590 | 4.410 |
| Uses resources of time, space, and materials appropriately within the confines of the setting. | white | 3.952 | .016 | 3.920 | 3.984 |
| | black | 4.000 | .063 | 3.876 | 4.124 |
| | hispanic | 4.000 | .147 | 3.710 | 4.290 |
| | asian | 4.000 | .208 | 3.590 | 4.410 |
| Uses praise selectively and effectively and implements appropriate motivational strategies. | white | 3.976 | .012 | 3.953 | 3.999 |
| | black | 4.000 | .045 | 3.911 | 4.089 |
| | hispanic | 4.000 | .105 | 3.792 | 4.208 |
| | asian | 4.000 | .149 | 3.706 | 4.294 |