COMPARISON OF STUDENTS WHO FILLED IN THE MSLQ AND SPQ QUESTIONNAIRES AND THOSE

WHO DIDN'T, ALONG ALL THE VARIABLES USED FOR HIERARCHICAL CLUSTERING

CORRECTION FOR MULTIPLE TESTING IS DONE USING FALSE DISCOVERY RATE (FDR)

**WEEK 2** (10/13 significant)

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\ feature p.value significant

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13 GDEN 0.0005134 YES

4 EXC.TOT 0.0039093 YES

6 VEQ.TOT 0.0039115 YES

9 VID.TOT 0.0059747 YES

11 DBOARD.VIEW 0.0112027 YES

5 EXC.DIFF 0.0115226 YES

7 VEQ.DIFF 0.0151011 YES

1 EQT.TOT 0.0229552 YES

8 VEQ.SH 0.0255612 YES

3 EQT.SH 0.0298282 YES

2 EQT.DIFF 0.1208894 NO

10 ORG.VIEW 0.9958439 NO

12 HOF.VIEW NaN NA

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**WEEK 3** (2/13 significant)

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\ feature p.value significant

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2 EQT.DIFF 0.0005837 YES

1 EQT.TOT 0.0080807 YES

7 VEQ.DIFF 0.0211908 NO

11 DBOARD.VIEW 0.0274756 NO

13 GDEN 0.0371178 NO

3 EQT.SH 0.0568309 NO

6 VEQ.TOT 0.1089025 NO

8 VEQ.SH 0.1712978 NO

10 ORG.VIEW 0.5009651 NO

9 VID.TOT 0.5045474 NO

4 EXC.TOT 0.6048135 NO

5 EXC.DIFF 0.6967716 NO

12 HOF.VIEW NaN NA

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**WEEK 4** (0/13 significant)

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\ feature p.value significant

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13 GDEN 0.0069676 NO

2 EQT.DIFF 0.0115757 NO

6 VEQ.TOT 0.0133902 NO

9 VID.TOT 0.0162506 NO

8 VEQ.SH 0.0468834 NO

11 DBOARD.VIEW 0.0578140 NO

1 EQT.TOT 0.1058594 NO

7 VEQ.DIFF 0.1983639 NO

5 EXC.DIFF 0.3813467 NO

10 ORG.VIEW 0.4178604 NO

3 EQT.SH 0.4606363 NO

4 EXC.TOT 0.7913816 NO

12 HOF.VIEW NaN NO

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**WEEK 5** (0/13 significant)

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\ feature p.value significant

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11 DBOARD.VIEW 0.0181322 NO

9 VID.TOT 0.0414688 NO

1 EQT.TOT 0.0999119 NO

4 EXC.TOT 0.1336743 NO

13 GDEN 0.1463586 NO

7 VEQ.DIFF 0.1971069 NO

2 EQT.DIFF 0.2730766 NO

12 HOF.VIEW 0.3049920 NO

6 VEQ.TOT 0.3320044 NO

10 ORG.VIEW 0.3530368 NO

8 VEQ.SH 0.5436713 NO

3 EQT.SH 0.6210575 NO

5 EXC.DIFF 0.6270975 NO

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**WEEK 6** (2/13 significant)

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\ feature p.value significant

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2 EQT.DIFF 0.0018318 YES

1 EQT.TOT 0.0045744 YES

8 VEQ.SH 0.0306036 NO

4 EXC.TOT 0.0414043 NO

10 ORG.VIEW 0.0724586 NO

5 EXC.DIFF 0.1518331 NO

11 DBOARD.VIEW 0.2152426 NO

13 GDEN 0.3302229 NO

12 HOF.VIEW 0.4111779 NO

7 VEQ.DIFF 0.6100772 NO

3 EQT.SH 0.8600568 NO

6 VEQ.TOT 0.8726929 NO

9 VID.TOT 0.9096988 NO

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**WEEK 7** (4/13 significant)

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\ feature p.value significant

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9 VID.TOT 0.0001753 YES

6 VEQ.TOT 0.0043559 YES

13 GDEN 0.0044832 YES

8 VEQ.SH 0.0090639 YES

1 EQT.TOT 0.1420188 NO

4 EXC.TOT 0.2488447 NO

2 EQT.DIFF 0.2932117 NO

11 DBOARD.VIEW 0.3457755 NO

12 HOF.VIEW 0.4220905 NO

7 VEQ.DIFF 0.5366615 NO

5 EXC.DIFF 0.5971360 NO

10 ORG.VIEW 0.9472025 NO

3 EQT.SH 0.9735951 NO

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**WEEK 8** (0/13 significant)

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\ feature p.value significant

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9 VID.TOT 0.0045598 NO

1 EQT.TOT 0.0088920 NO

13 GDEN 0.1151607 NO

7 VEQ.DIFF 0.1601064 NO

6 VEQ.TOT 0.1841106 NO

5 EXC.DIFF 0.3070477 NO

4 EXC.TOT 0.4973601 NO

10 ORG.VIEW 0.5209034 NO

12 HOF.VIEW 0.5909477 NO

3 EQT.SH 0.5971701 NO

2 EQT.DIFF 0.6312930 NO

11 DBOARD.VIEW 0.8174908 NO

8 VEQ.SH 0.9756669 NO

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**WEEK 9** (2/13 significant)

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\ feature p.value significant

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13 GDEN 0.0012647 YES

11 DBOARD.VIEW 0.0074472 YES

9 VID.TOT 0.0817152 NO

10 ORG.VIEW 0.1090021 NO

1 EQT.TOT 0.1536665 NO

3 EQT.SH 0.3048680 NO

6 VEQ.TOT 0.3273279 NO

5 EXC.DIFF 0.3897328 NO

2 EQT.DIFF 0.6376604 NO

4 EXC.TOT 0.7927041 NO

8 VEQ.SH 0.8882515 NO

12 HOF.VIEW 0.8889355 NO

7 VEQ.DIFF 0.9659256 NO

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**WEEK 10** (0/13 significant)

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\ feature p.value significant

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9 VID.TOT 0.0575312 NO

6 VEQ.TOT 0.0610566 NO

12 HOF.VIEW 0.0709435 NO

3 EQT.SH 0.1197396 NO

10 ORG.VIEW 0.2419393 NO

5 EXC.DIFF 0.3192363 NO

8 VEQ.SH 0.3386631 NO

1 EQT.TOT 0.4229683 NO

11 DBOARD.VIEW 0.5225701 NO

13 GDEN 0.5977099 NO

2 EQT.DIFF 0.7314644 NO

7 VEQ.DIFF 0.7920512 NO

4 EXC.TOT 0.9477448 NO

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**WEEK 11** (3/13 significant)

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\ feature p.value significant

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13 GDEN 0.0001695 YES

9 VID.TOT 0.0040027 YES

1 EQT.TOT 0.0091381 YES

6 VEQ.TOT 0.1095783 NO

3 EQT.SH 0.1186800 NO

11 DBOARD.VIEW 0.1475752 NO

10 ORG.VIEW 0.1647347 NO

5 EXC.DIFF 0.3580600 NO

4 EXC.TOT 0.5617095 NO

8 VEQ.SH 0.5740579 NO

12 HOF.VIEW 0.5812081 NO

2 EQT.DIFF 0.8878433 NO

7 VEQ.DIFF 0.9891976 NO

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**WEEK 12** (0/13 significant)

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\ feature p.value significant

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7 VEQ.DIFF 0.0143026 NO

13 GDEN 0.0226757 NO

1 EQT.TOT 0.0317703 NO

9 VID.TOT 0.0413049 NO

11 DBOARD.VIEW 0.0499878 NO

3 EQT.SH 0.0672765 NO

5 EXC.DIFF 0.2235651 NO

6 VEQ.TOT 0.2378765 NO

12 HOF.VIEW 0.2781002 NO

10 ORG.VIEW 0.3962710 NO

2 EQT.DIFF 0.7931780 NO

8 VEQ.SH 0.8132540 NO

4 EXC.TOT 0.9964462 NO

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**WEEK 13** (0/13 significant)

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\ feature p.value significant

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10 ORG.VIEW 0.0050403 NO

5 EXC.DIFF 0.0261362 NO

2 EQT.DIFF 0.0397222 NO

7 VEQ.DIFF 0.0969582 NO

8 VEQ.SH 0.1173410 NO

3 EQT.SH 0.2464119 NO

11 DBOARD.VIEW 0.2507777 NO

12 HOF.VIEW 0.2695662 NO

9 VID.TOT 0.3011774 NO

1 EQT.TOT 0.3428031 NO

13 GDEN 0.4797143 NO

4 EXC.TOT 0.5396419 NO

6 VEQ.TOT 0.6170843 NO

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COMPARISON OF THE TWO GROUPS BASED ON THEIR MIDTERM AND FINAL EXAM SCORES:

* NO SIGNIFICANT DIFF. W.R.T MIDTERM EXAM SCORE (p=0.081)
* SIGNIFICANT DIFF. W.R.T FINAL EXAM SCORE (p=0.004)