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

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

**WEEK 2** (9/12 significant)

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feature significance significant

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EQT.TOT 0.0229552 YES

EQT.DIFF 0.1208894 NO

EQT.SH 0.0298282 YES

EXC.TOT 0.0039093 YES

EXC.DIFF 0.0115226 YES

VEQ.TOT 0.0039115 YES

VEQ.DIFF 0.0151011 YES

VEQ.SH 0.0255612 YES

VID.TOT 0.0059747 YES

ORG.VIEW 0.9958439 NO

DBOARD.VIEW 0.0112027 YES

HOF.VIEW NaN NA

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**WEEK 3** (4/12 significant)

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feature significance significant

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EQT.TOT 0.0080807 YES

EQT.DIFF 0.0005837 YES

EQT.SH 0.0568309 NO

EXC.TOT 0.6048135 NO

EXC.DIFF 0.6967716 NO

VEQ.TOT 0.1089025 NO

VEQ.DIFF 0.0211908 YES

VEQ.SH 0.1712978 NO

VID.TOT 0.5045474 NO

ORG.VIEW 0.5009651 NO

DBOARD.VIEW 0.0274756 YES

HOF.VIEW NaN NA

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**WEEK 4** (4/12 significant)

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feature significance significant

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EQT.TOT 0.1058594 NO

EQT.DIFF 0.0115757 YES

EQT.SH 0.4606363 NO

EXC.TOT 0.7913816 NO

EXC.DIFF 0.3813467 NO

VEQ.TOT 0.0133902 YES

VEQ.DIFF 0.1983639 NO

VEQ.SH 0.0468834 YES

VID.TOT 0.0162506 YES

ORG.VIEW 0.4178604 NO

DBOARD.VIEW 0.0578140 NO

HOF.VIEW NaN NA

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WEEK 5 (2/12 significant)

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feature significance significant

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EQT.TOT 0.0999119 NO

EQT.DIFF 0.2730766 NO

EQT.SH 0.6210575 NO

EXC.TOT 0.1336743 NO

EXC.DIFF 0.6270975 NO

VEQ.TOT 0.3320044 NO

VEQ.DIFF 0.1971069 NO

VEQ.SH 0.5436713 NO

VID.TOT 0.0414688 YES

ORG.VIEW 0.3530368 NO

DBOARD.VIEW 0.0181322 YES

HOF.VIEW 0.3049920 NO

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WEEK 6 (4/12 significant)

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feature significance significant

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EQT.TOT 0.0045744 YES

EQT.DIFF 0.0018318 YES

EQT.SH 0.8600568 NO

EXC.TOT 0.0414043 YES

EXC.DIFF 0.1518331 NO

VEQ.TOT 0.8726929 NO

VEQ.DIFF 0.6100772 NO

VEQ.SH 0.0306036 YES

VID.TOT 0.9096988 NO

ORG.VIEW 0.0724586 NO

DBOARD.VIEW 0.2152426 NO

HOF.VIEW 0.4111779 NO

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WEEK 7 (3/12 significant)

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feature significance significant

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EQT.TOT 0.1420188 NO

EQT.DIFF 0.2932117 NO

EQT.SH 0.9735951 NO

EXC.TOT 0.2488447 NO

EXC.DIFF 0.5971360 NO

VEQ.TOT 0.0043559 YES

VEQ.DIFF 0.5366615 NO

VEQ.SH 0.0090639 YES

VID.TOT 0.0001753 YES

ORG.VIEW 0.9472025 NO

DBOARD.VIEW 0.3457755 NO

HOF.VIEW 0.4220905 NO

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**WEEK 8** (2/12 significant)

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feature significance significant

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EQT.TOT 0.0088920 YES

EQT.DIFF 0.6312930 NO

EQT.SH 0.5971701 NO

EXC.TOT 0.4973601 NO

EXC.DIFF 0.3070477 NO

VEQ.TOT 0.1841106 NO

VEQ.DIFF 0.1601064 NO

VEQ.SH 0.9756669 NO

VID.TOT 0.0045598 YES

ORG.VIEW 0.5209034 NO

DBOARD.VIEW 0.8174908 NO

HOF.VIEW 0.5909477 NO

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**WEEK 9** (1/12 significant)

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feature significance significant

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EQT.TOT 0.1536665 NO

EQT.DIFF 0.6376604 NO

EQT.SH 0.3048680 NO

EXC.TOT 0.7927041 NO

EXC.DIFF 0.3897328 NO

VEQ.TOT 0.3273279 NO

VEQ.DIFF 0.9659256 NO

VEQ.SH 0.8882515 NO

VID.TOT 0.0817152 NO

ORG.VIEW 0.1090021 NO

DBOARD.VIEW 0.0074472 YES

HOF.VIEW 0.8889355 NO

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**WEEK 10** (0/12 significant)

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feature significance significant

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EQT.TOT 0.4229683 NO

EQT.DIFF 0.7314644 NO

EQT.SH 0.1197396 NO

EXC.TOT 0.9477448 NO

EXC.DIFF 0.3192363 NO

VEQ.TOT 0.0610566 NO

VEQ.DIFF 0.7920512 NO

VEQ.SH 0.3386631 NO

VID.TOT 0.0575312 NO

ORG.VIEW 0.2419393 NO

DBOARD.VIEW 0.5225701 NO

HOF.VIEW 0.0709435 NO

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**WEEK 11** (2/12 significant)

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feature significance significant

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EQT.TOT 0.0091381 YES

EQT.DIFF 0.8878433 NO

EQT.SH 0.1186800 NO

EXC.TOT 0.5617095 NO

EXC.DIFF 0.3580600 NO

VEQ.TOT 0.1095783 NO

VEQ.DIFF 0.9891976 NO

VEQ.SH 0.5740579 NO

VID.TOT 0.0040027 YES

ORG.VIEW 0.1647347 NO

DBOARD.VIEW 0.1475752 NO

HOF.VIEW 0.5812081 NO

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**WEEK 12** (4/12 significant)

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feature significance significant

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EQT.TOT 0.0317703 YES

EQT.DIFF 0.7931780 NO

EQT.SH 0.0672765 NO

EXC.TOT 0.9964462 NO

EXC.DIFF 0.2235651 NO

VEQ.TOT 0.2378765 NO

VEQ.DIFF 0.0143026 YES

VEQ.SH 0.8132540 NO

VID.TOT 0.0413049 YES

ORG.VIEW 0.3962710 NO

DBOARD.VIEW 0.0499878 YES

HOF.VIEW 0.2781002 NO

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**WEEK 13** (3/12 significant)

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feature significance significant

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EQT.TOT 0.3428031 NO

EQT.DIFF 0.0397222 YES

EQT.SH 0.2464119 NO

EXC.TOT 0.5396419 NO

EXC.DIFF 0.0261362 YES

VEQ.TOT 0.6170843 NO

VEQ.DIFF 0.0969582 NO

VEQ.SH 0.1173410 NO

VID.TOT 0.3011774 NO

ORG.VIEW 0.0050403 YES

DBOARD.VIEW 0.2507777 NO

HOF.VIEW 0.2695662 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)