**Clustering students based on their weekly course activities (Results computed 160413)**

The following variables were used for (hierarchical) clustering:

* EQT.TOT = EQT.CO + EQT.IN; EQT.CO is the number of correctly solved, and EQT.IN is the number of incorrectly solved multiple choice questions (MCQs) embedded in the lecture materials
* EQT.DIFF = EQT.CO - EQT.IN
* EQT.SH – the number of times the student requested to see solution to MCQs embedded in the lecture materials
* EXC.TOT = EXC.CO + EXC.IN; EXC.CO/EXC.IN stand for the number of correctly/incorrectly solved exercises/problems
* EXC.DIFF = EXC.CO - EXC.IN
* VEQ.TOT = VEQ.CO + VEQ.IN; VEQ.CO/VEQ.IN stand for the number of correctly/incorrectly solved MCQs associated with the course videos
* VEQ.DIFF = VEQ.CO - VEQ.IN
* VEQ.SH – the number of times the student requested to see solution to MCQs associated with the course videos
* VID.TOT = VID.PA + VID.PL; VID.PA/VID.PL stand for the number of times the course videos were played/paused
* ORG.VIEW – the number of times the schedule and the learning objective pages were accessed
* DBOARD.VIEW – the number of times the dashboard screen was accessed
* ~~HOF.VIEW – the number of times the Hall of Fame page was accessed (social comparison)~~
* GDEN – density of the transition graph; the transition graph is computed using the trace data (originally prepared for process mining)

All variables are computed on weekly bases and per each individual student.

A note regarding the two variables appear in the tables bellow:

- SC\_MT\_TOT – the score on the midterm exam

- SC\_FE\_TOT – the score on the final exam

They were used just to try to understand how students’ behavior and the corresponding clusters (that reflect this behavior) are associated with the exam scores.

Type of clusters:

Table : Characterization of the detected clusters (See Section 3.2)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **EQT** | **EXC\*** | **VEQ** | **VID** | **ORG** | **DBOARD** | **GDEN** |
| A | No events | Sporadic low number of events | No events | No events | No events | No events | Zero |
| B1 | No event | Numerous attempts. Almost all incorrect | No events | No events | No events | No events | Negligible |
| B2 | No events | Numerous attempts. Mostly incorrect | No events | Slight or no interaction | No events | No events | Low or negligible |
| C1 | Moderate interaction | Moderate attempts. Correct and incorrect balance | Very low engagement | Low engagement | Very high before midterm | No events | Medium |
| C2 | Moderate interaction | Moderate attempts. Correct and incorrect balance | Low engagement | High engagement | No events | No events | Medium |
| D | Large to very large engagement | Numerous attempts. Mostly correct | Moderate engagement | Moderate engagement | No events | Only in two weeks | High |
| E | Very large engagement | High number of attempts. Correct and incorrect balance | Very high engagement | Very high engagement | Very high in week 2 | High engagement | High |
| F | No events | High numbers. Mostly correct | No events | No events | No events | No events | Zero |

\*Events on summative assessment exercises.

WEEK2 (N = 274)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4 5

freq 41 62 36 40 95

EQT.TOT 0; (0, 0) 9; (3.25, 14.75) 24; (10.5, 59.25) 0; (0, 0) 4; (0, 12.5)

EQT.DIFF 0; (0, 0) 2; (0, 5) 3; (1, 11.75) 0; (0, 0) 0; (0, 2.75)

EQT.SH 0; (0, 0) 1; (0, 4) 3; (0, 10) 0; (0, 0) 0; (0, 2)

EXC.TOT 0; (0, 0) 37; (30.25, 48) 42; (31.75, 48.25) 44.5; (31.5, 63) 30; (21.25, 40)

EXC.DIFF 0; (0, 0) 4; (-1, 8.75) 5.5; (-4.5, 13) 0; (-22, 9.25) 0; (-2, 8.75)

VEQ.TOT 0; (0, 0) 17; (13.25, 20) 21; (15.75, 25.75) 0; (0, 0) 8; (4.25, 12)

VEQ.DIFF 0; (0, 0) 6; (1, 8.75) 4; (1.75, 9.25) 0; (0, 0) 2; (0, 4)

VEQ.SH 0; (0, 0) 4; (2.25, 6) 2; (1, 6) 0; (0, 0) 1; (0, 3)

VID.TOT 0; (0, 0) 18; (6.25, 54.75) 15; (8, 29.25) 0; (0, 1) 6; (2, 20)

ORG.VIEW 0; (0, 0) 1.5; (0, 5.5) 3; (0, 10) 0; (0, 3.25) 0; (0, 3)

DBOARD.VIEW 0; (0, 0) 2; (0, 4) 17; (10, 21) 0; (0, 1) 0; (0, 0.75)

~~HOF.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)~~

GDEN 0.01; (0, 0.03) 0.24; (0.2, 0.26) 0.3; (0.26, 0.32) 0.08; (0.05, 0.12) 0.18; (0.14, 0.22)

SC\_FE\_TOT 14; (10, 19.25) 19; (14, 28.75) 17.5; (14.75, 29) 14.5; (11, 19.25) 18; (14, 26.75)

SC\_MT\_TOT 11; (9, 15) 15; (12, 17.75) 15; (12.75, 17.25) 12.5; (10, 15) 14; (11.25, 16)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4 5

freq 41 62 36 40 95

EQT.TOT 0; (0, 0) 9; (3.25, 14.75) 24; (10.5, 59.25) 0; (0, 0) 4; (0, 12.5)

EQT.DIFF 0; (0, 0) 2; (0, 5) 3; (1, 11.75) 0; (0, 0) 0; (0, 2.75)

EQT.SH 0; (0, 0) 1; (0, 4) 3; (0, 10) 0; (0, 0) 0; (0, 2)

EXC.TOT 0; (0, 0) 37; (30.25, 48) 42; (31.75, 48.25) 44.5; (31.5, 63) 30; (21.25, 40)

EXC.DIFF 0; (0, 0) 4; (-1, 8.75) 5.5; (-4.5, 13) 0; (-22, 9.25) 0; (-2, 8.75)

VEQ.TOT 0; (0, 0) 17; (13.25, 20) 21; (15.75, 25.75) 0; (0, 0) 8; (4.25, 12)

VEQ.DIFF 0; (0, 0) 6; (1, 8.75) 4; (1.75, 9.25) 0; (0, 0) 2; (0, 4)

VEQ.SH 0; (0, 0) 4; (2.25, 6) 2; (1, 6) 0; (0, 0) 1; (0, 3)

VID.TOT 0; (0, 0) 18; (6.25, 54.75) 15; (8, 29.25) 0; (0, 1) 6; (2, 20)

ORG.VIEW 0; (0, 0) 2; (0, 6) 3; (0, 10) 0; (0, 3.25) 0; (0, 3)

DBOARD.VIEW 0; (0, 0) 2; (0, 4) 17; (10, 21) 0; (0, 1) 0; (0, 0.75)

GDEN 0.01; (0, 0.04) 0.3; (0.25, 0.32) 0.37; (0.32, 0.4) 0.1; (0.06, 0.15) 0.22; (0.17, 0.27)

SC\_FE\_TOT 14; (10, 19.25) 19; (14, 28.75) 17.5; (14.75, 29) 14.5; (11, 19.25) 18; (14, 26.75)

SC\_MT\_TOT 11; (9, 15) 15; (12, 17.75) 15; (12.75, 17.25) 12.5; (10, 15) 14; (11.25, 16)

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WEEK 3 (N=284)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4 5

freq 58 45 104 44 33

EQT.TOT 11; (3, 17) 41; (26, 63) 22; (11, 32) 0; (0, 5.5) 0; (0, 0)

EQT.DIFF 2.5; (0, 5) 8; (4, 15) 4; (0, 7) 0; (0, 0) 0; (0, 0)

EQT.SH 1; (0, 3) 5; (1, 16) 3; (0, 6) 0; (0, 1) 0; (0, 0)

EXC.TOT 55.5; (35.5, 64.5) 71; (59, 83) 68; (51.75, 80) 92; (81.75, 117.25) 1; (0, 21)

EXC.DIFF -4.5; (-15, 1) -17; (-27, -6) -8.5; (-22.25, 0) -31.5; (-42, -25) 0; (-2, 0)

VEQ.TOT 0.5; (0, 5) 33; (21, 47) 23.5; (14.75, 33) 0; (0, 0.25) 0; (0, 0)

VEQ.DIFF 0; (0, 1) 6; (2, 13) 3.5; (0.75, 8) 0; (0, 0) 0; (0, 0)

VEQ.SH 0; (0, 1) 3; (0, 10) 2; (0, 6) 0; (0, 0) 0; (0, 0)

VID.TOT 4; (0, 17.5) 22; (8, 34) 15; (7.75, 35.25) 0; (0, 2) 0; (0, 0)

ORG.VIEW 0; (0, 0) 0; (0, 1.25) 0; (0, 5.25) 0; (0, 1.5) 0; (0, 0)

DBOARD.VIEW 0; (0, 3) 23; (16.75, 30.25) 3; (0, 7) 0; (0, 1) 0; (0, 0)

~~HOF.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)~~

GDEN 0.17; (0.13, 0.2) 0.29; (0.27, 0.32) 0.24; (0.21, 0.27) 0.11; (0.07, 0.16) 0.03; (0.01, 0.05)

SC\_FE\_TOT 19; (13.25, 27.75) 17; (12, 27) 20; (15, 29) 15; (11, 16) 14; (10, 18)

SC\_MT\_TOT 15; (11, 16.75) 14; (12, 16) 15; (12.75, 17) 11.5; (9.75, 14) 11; (8, 14)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4

freq 62 50 101 71

EQT.TOT 0; (0, 2.75) 40.5; (30.25, 62.25) 19; (10, 31) 6; (0, 13)

EQT.DIFF 0; (0, 1) 8; (4.25, 13) 3; (0, 7) 0; (0, 3)

EQT.SH 0; (0, 0) 7.5; (2, 16.75) 3; (0, 5) 0; (0, 2.5)

EXC.TOT 18; (0, 44.75) 74; (63.75, 90.5) 65; (49, 78) 78; (62.5, 98)

EXC.DIFF 0; (-3.75, 1) -21; (-31.75, -7) -8; (-19, 2) -20; (-35, -10.5)

VEQ.TOT 0; (0, 0) 35.5; (28.25, 49.75) 20; (12, 30) 0; (0, 6)

VEQ.DIFF 0; (0, 0) 6; (5, 11.75) 3; (0, 8) 0; (0, 1)

VEQ.SH 0; (0, 0) 5.5; (1, 10.75) 1; (0, 4) 0; (0, 1)

VID.TOT 0; (0, 0) 22; (12, 44.25) 14; (5, 30) 2; (0, 15.5)

ORG.VIEW 0; (0, 0) 0; (0, 1) 0; (0, 5.25) 0; (0, 0.75)

DBOARD.VIEW 0; (0, 0) 19; (9, 28) 3; (0, 7.25) 0; (0, 2.75)

GDEN 0.07; (0.04, 0.14) 0.36; (0.32, 0.4) 0.3; (0.26, 0.33) 0.21; (0.15, 0.23)

SC\_FE\_TOT 14; (11, 21.75) 17; (11, 22.75) 21; (15, 29) 16; (14, 20.5)

SC\_MT\_TOT 11.5; (9.25, 15) 14; (12, 16) 15; (12, 17) 13; (11, 16)

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WEEK 4 (N=284)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4 5

freq 48 89 62 61 24

EQT.TOT 49; (29, 61) 3; (0, 10) 0; (0, 0) 0; (0, 5) 0; (0, 0)

EQT.DIFF 11.5; (4.5, 18) 0; (0, 1) 0; (0, 0) 0; (0, 1) 0; (0, 0)

EQT.SH 4; (0.75, 11.25) 0; (0, 2) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EXC.TOT 61; (46.25, 84.75) 57; (47, 75) 91; (73.5, 104.75) 53; (36, 64) 0; (0, 21.75)

EXC.DIFF 1; (-17.5, 9.25) -3; (-17, 6) -33; (-46.5, -22.5) -5; (-17, 1) 0; (0, 0)

VEQ.TOT 30.5; (16.75, 38.25) 20; (11, 29) 0; (0, 0) 0; (0, 7) 0; (0, 0)

VEQ.DIFF 8; (2.5, 12) 1; (0, 7) 0; (0, 0) 0; (0, 2) 0; (0, 0)

VEQ.SH 1.5; (0, 7) 2; (0, 5) 0; (0, 0) 0; (0, 0) 0; (0, 0)

VID.TOT 19; (10, 43) 24; (11, 51) 0; (0, 1.75) 6; (0, 19) 0; (0, 0)

ORG.VIEW 0; (0, 2) 0; (0, 0.25) 0; (0, 0) 0; (0, 10.25) 0; (0, 0)

DBOARD.VIEW 8; (4.75, 15.25) 1.5; (0, 8) 0; (0, 0) 0; (0, 1) 0; (0, 0)

~~HOF.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)~~

GDEN 0.28; (0.24, 0.3) 0.22; (0.2, 0.24) 0.06; (0.05, 0.1) 0.13; (0.1, 0.17) 0.01; (0.01, 0.04)

SC\_FE\_TOT 24; (16.75, 32.25) 19; (14, 28) 13.5; (10.25, 17) 17; (14, 22) 14.5; (10, 22)

SC\_MT\_TOT 16; (13, 18) 15; (12, 17) 12; (9, 14) 13; (11, 16) 12; (9.75, 14.25)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4 5

freq 48 118 52 24 42

EQT.TOT 49; (29, 61) 2.5; (0, 7.5) 0; (0, 0) 0; (0, 0) 0; (0, 2)

EQT.DIFF 11.5; (4.5, 18) 0; (0, 1) 0; (0, 0) 0; (0, 0) 0; (0, 0.75)

EQT.SH 4; (0.75, 11.25) 0; (0, 1) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EXC.TOT 61; (46.25, 84.75) 57.5; (47, 79) 85; (71.75, 103) 0; (0, 21.75) 52.5; (31.5, 64)

EXC.DIFF 1; (-17.5, 9.25) -6.5; (-23.75, 5) -30.5; (-40.25, -19.75) 0; (0, 0) -5; (-13, 1)

VEQ.TOT 30.5; (16.75, 38.25) 17; (7, 27.75) 0; (0, 0) 0; (0, 0) 0.5; (0, 5)

VEQ.DIFF 8; (2.5, 12) 1; (0, 6.75) 0; (0, 0) 0; (0, 0) 0; (0, 1)

VEQ.SH 1.5; (0, 7) 1; (0, 4) 0; (0, 0) 0; (0, 0) 0; (0, 0)

VID.TOT 19; (10, 43) 22; (8.25, 48.75) 0; (0, 0) 0; (0, 0) 6; (1, 17.5)

ORG.VIEW 0; (0, 2) 0; (0, 3) 0; (0, 0.5) 0; (0, 0) 0; (0, 0)

DBOARD.VIEW 8; (4.75, 15.25) 1; (0, 8) 0; (0, 0) 0; (0, 0) 0; (0, 0)

GDEN 0.35; (0.29, 0.37) 0.26; (0.22, 0.3) 0.07; (0.05, 0.09) 0.01; (0.01, 0.05) 0.16; (0.13, 0.19)

SC\_FE\_TOT 24; (16.75, 32.25) 17; (14, 26) 12.5; (10, 16.25) 14.5; (10, 22) 18; (15, 23)

SC\_MT\_TOT 16; (13, 18) 14; (11.25, 16) 11.5; (8, 15) 12; (9.75, 14.25) 13; (11, 16.75)

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WEEK 5 (N=284)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4

freq 112 94 20 58

EQT.TOT 11; (5.5, 23.25) 0; (0, 0) 54; (44.75, 94.75) 0; (0, 0)

EQT.DIFF 2; (0, 4) 0; (0, 0) 7; (3.75, 17.25) 0; (0, 0)

EQT.SH 1; (0, 3) 0; (0, 0) 15; (9, 20.5) 0; (0, 0)

EXC.TOT 46.5; (35, 69) 76; (65, 93.75) 82.5; (67.75, 95.25) 16.5; (0, 29)

EXC.DIFF 2; (-13.25, 11) -27; (-39.75, -16) -26.5; (-39.75, -18.5) 0; (0, 12.5)

VEQ.TOT 12; (0, 21) 0; (0, 0) 24; (17, 32.75) 0; (0, 0)

VEQ.DIFF 1; (0, 5) 0; (0, 0) 4; (2.5, 7) 0; (0, 0)

VEQ.SH 0; (0, 2) 0; (0, 0) 5.5; (0.75, 10) 0; (0, 0)

VID.TOT 8.5; (2, 25) 0; (0, 2) 16.5; (10.5, 31.5) 0; (0, 0)

ORG.VIEW 0; (0, 3) 0; (0, 0.75) 0; (0, 2) 0; (0, 0)

DBOARD.VIEW 1; (0, 5) 0; (0, 0) 10; (4, 15.25) 0; (0, 0)

HOF.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)

GDEN 0.2; (0.17, 0.23) 0.08; (0.05, 0.12) 0.28; (0.24, 0.32) 0.05; (0.03, 0.08)

SC\_FE\_TOT 19; (14, 30) 16; (12, 20.75) 18.5; (14, 23) 15; (11.25, 22)

SC\_MT\_TOT 15; (12, 17) 13; (11, 16) 14; (11.75, 16) 12.5; (10, 16)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4

freq 89 94 20 81

EQT.TOT 11; (6, 23) 0; (0, 0) 54; (44.75, 94.75) 0; (0, 3)

EQT.DIFF 2; (0, 4) 0; (0, 0) 7; (3.75, 17.25) 0; (0, 1)

EQT.SH 1; (0, 2) 0; (0, 0) 15; (9, 20.5) 0; (0, 1)

EXC.TOT 56; (39, 71) 75.5; (64.25, 93.75) 82.5; (67.75, 95.25) 24; (10, 35)

EXC.DIFF 1; (-16, 10) -25.5; (-39.75, -15.25) -26.5; (-39.75, -18.5) 2; (0, 13)

VEQ.TOT 17; (8, 22) 0; (0, 0) 24; (17, 32.75) 0; (0, 0)

VEQ.DIFF 3; (0, 6) 0; (0, 0) 4; (2.5, 7) 0; (0, 0)

VEQ.SH 0; (0, 3) 0; (0, 0) 5.5; (0.75, 10) 0; (0, 0)

VID.TOT 11; (6, 28) 0; (0, 2) 16.5; (10.5, 31.5) 0; (0, 0)

ORG.VIEW 0; (0, 2) 0; (0, 0) 0; (0, 2) 0; (0, 2)

DBOARD.VIEW 2; (0, 6) 0; (0, 0) 10; (4, 15.25) 0; (0, 0)

GDEN 0.26; (0.22, 0.28) 0.1; (0.06, 0.15) 0.34; (0.31, 0.41) 0.09; (0.05, 0.16)

SC\_FE\_TOT 22; (14, 31) 16; (12, 20.75) 18.5; (14, 23) 16; (12, 25)

SC\_MT\_TOT 15; (12, 17) 13; (11, 16) 14; (11.75, 16) 13; (10, 16)

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WEEK 6 (N=287)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4 5

freq 133 17 68 41 28

EQT.TOT 23; (6, 42) 25; (5, 54) 0; (0, 6) 122; (96, 162) 58.5; (25.25, 83)

EQT.DIFF 3; (0, 9) 5; (0, 21) 0; (0, 1) 45; (20, 55) 19; (1.75, 24.5)

EQT.SH 2; (0, 7) 5; (2, 12) 0; (0, 1) 9; (4, 27) 4.5; (0, 20.5)

EXC.TOT 36; (11, 80) 34; (11, 144) 8; (0, 25) 99; (46, 159) 138; (115, 182)

EXC.DIFF 1; (-2, 14) 1; (-2, 55) 0; (-1, 2) 10; (1, 55) 27; (-3.5, 68)

VEQ.TOT 11; (2, 26) 0; (0, 4) 0; (0, 0) 9; (2, 35) 82.5; (50.5, 99.75)

VEQ.DIFF 1; (0, 6) 0; (0, 0) 0; (0, 0) 1; (0, 5) 17.5; (7.5, 25.75)

VEQ.SH 1; (0, 4) 0; (0, 3) 0; (0, 0) 1; (0, 2) 10.5; (0.75, 17)

VID.TOT 19; (4, 48) 1; (0, 45) 0; (0, 1.25) 15; (6, 34) 73.5; (30, 156.75)

ORG.VIEW 0; (0, 1) 14; (12, 16) 0; (0, 0) 1; (0, 5) 0; (0, 1.25)

DBOARD.VIEW 0; (0, 1) 0; (0, 1) 0; (0, 0) 1; (0, 11) 0; (0, 2)

~~HOF.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 1) 0; (0, 0)~~

GDEN 0.22; (0.19, 0.25) 0.21; (0.13, 0.28) 0.1; (0.04, 0.13) 0.26; (0.23, 0.31) 0.29; (0.26, 0.32)

SC\_FE\_TOT 17; (13, 25) 16; (13, 28) 15; (10.75, 22) 19; (15, 31) 18.5; (14.75, 29)

SC\_MT\_TOT 13; (11, 16) 13; (11, 16) 13; (8, 15.25) 14; (13, 17) 15; (12.75, 16.25)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4 5

freq 90 101 35 41 20

EQT.TOT 24; (4.25, 43.5) 10; (0, 23) 61; (30, 105) 120; (96, 152) 0; (0, 0)

EQT.DIFF 3; (0, 10.75) 1; (0, 6) 19; (1.5, 26) 43; (22, 55) 0; (0, 0)

EQT.SH 3; (0, 8) 1; (0, 3) 5; (0.5, 22) 9; (4, 23) 0; (0, 0)

EXC.TOT 34; (9.25, 105.5) 22; (8, 56) 139; (115, 185) 99; (43, 164) 1.5; (0, 8)

EXC.DIFF 1; (-3, 16.75) 1; (-2, 7) 30; (-4, 68) 15; (2, 50) 0; (0, 0)

VEQ.TOT 22.5; (9, 31.75) 0; (0, 5) 68; (47, 93.5) 7; (0, 17) 0; (0, 0)

VEQ.DIFF 3; (0, 10) 0; (0, 0) 19; (9, 26) 0; (0, 3) 0; (0, 0)

VEQ.SH 3; (0, 6.75) 0; (0, 1) 8; (1, 15.5) 0; (0, 2) 0; (0, 0)

VID.TOT 34.5; (6, 72) 2; (0, 10) 62; (19, 148) 13; (2, 34) 0; (0, 0)

ORG.VIEW 0; (0, 4) 0; (0, 0) 0; (0, 2) 1; (0, 3) 0; (0, 0)

DBOARD.VIEW 0; (0, 0.25) 0; (0, 1.75) 0; (0, 4) 0; (0, 4) 0; (0, 0)

GDEN 0.28; (0.25, 0.31) 0.21; (0.15, 0.25) 0.36; (0.32, 0.4) 0.31; (0.26, 0.35) 0.02; (0, 0.05)

SC\_FE\_TOT 16; (11.25, 23.75) 17; (14, 27) 18; (15, 29) 19; (15, 30) 11; (9, 13.25)

SC\_MT\_TOT 13; (11, 16.75) 13; (11, 16) 15; (13, 17) 14; (12, 17) 9; (6, 14.25)

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C2 C1 E D A

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WEEK 7 (N=285)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4

freq 79 61 134 11

EQT.TOT 1; (0, 16) 0; (0, 0) 0; (0, 0) 0; (0, 4)

EQT.DIFF 0; (0, 2) 0; (0, 0) 0; (0, 0) 0; (0, 1)

EQT.SH 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EXC.TOT 50; (39, 58) 70; (65, 84) 34.5; (20.25, 46) 35; (22, 42)

EXC.DIFF -4; (-12.5, 7) -25; (-38, -20) 0; (-6, 6) 5; (-0.5, 14)

VEQ.TOT 21; (18, 26) 0; (0, 0) 0; (0, 0) 17; (0, 21)

VEQ.DIFF 1; (-1, 4) 0; (0, 0) 0; (0, 0) 0; (0, 4)

VEQ.SH 2; (0, 6.5) 0; (0, 0) 0; (0, 0) 0; (0, 1.5)

VID.TOT 16; (6, 33.5) 0; (0, 0) 0; (0, 4) 4; (0, 14)

ORG.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)

DBOARD.VIEW 2; (0, 5.5) 0; (0, 0) 0; (0, 0) 0; (0, 2.5)

~~HOF.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 7; (6, 8)~~

GDEN 0.21; (0.19, 0.24) 0.06; (0.04, 0.08) 0.06; (0.04, 0.1) 0.18; (0.07, 0.22)

SC\_FE\_TOT 19; (14.5, 28) 14; (10, 21) 17; (13, 24.5) 28; (14.5, 35)

SC\_MT\_TOT 15; (12, 17) 12; (10, 16) 13; (11, 16) 16; (15, 17)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4

freq 85 82 58 60

EQT.TOT 2; (0, 16) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EQT.DIFF 0; (0, 2) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EQT.SH 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EXC.TOT 49; (39, 58) 65; (55, 78.5) 41; (31.75, 46) 13.5; (7, 24.5)

EXC.DIFF -4; (-12, 8) -21; (-28.75, -13) 2.5; (-2, 9) 1.5; (-1, 6)

VEQ.TOT 21; (18, 25) 0; (0, 0) 0; (0, 3.75) 0; (0, 0)

VEQ.DIFF 1; (-1, 4) 0; (0, 0) 0; (0, 0) 0; (0, 0)

VEQ.SH 2; (0, 6) 0; (0, 0) 0; (0, 0) 0; (0, 0)

VID.TOT 14; (6, 33) 0; (0, 0) 6; (0, 13.75) 0; (0, 0)

ORG.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 2) 0; (0, 0)

DBOARD.VIEW 2; (0, 5) 0; (0, 0) 0; (0, 1) 0; (0, 0)

GDEN 0.26; (0.22, 0.28) 0.06; (0.05, 0.09) 0.14; (0.11, 0.19) 0.05; (0.04, 0.07)

SC\_FE\_TOT 19; (14, 29) 14.5; (10, 20) 20.5; (15, 30.5) 16; (12.75, 19.75)

SC\_MT\_TOT 15; (12, 17) 12; (10, 15) 14.5; (11.25, 17) 13; (10.75, 16)

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WEEK 8 (N=286)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4 5

freq 49 80 66 36 55

EQT.TOT 0; (0, 0) 13; (7.75, 16.25) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EQT.DIFF 0; (0, 0) 1; (0, 4) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EQT.SH 0; (0, 0) 0; (0, 3) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EXC.TOT 74; (67, 93) 38; (27, 52) 39.5; (25.25, 51.75) 14; (0, 19) 48; (43, 51)

EXC.DIFF -34; (-44, -27) 0; (-12, 11) -2; (-13, 5.75) 0; (-1.25, 6.25) -10; (-13, -6.5)

VEQ.TOT 0; (0, 0) 18; (9, 24.25) 0; (0, 1.75) 0; (0, 0) 0; (0, 0)

VEQ.DIFF 0; (0, 0) 1; (0, 4) 0; (0, 0) 0; (0, 0) 0; (0, 0)

VEQ.SH 0; (0, 0) 0; (0, 2.5) 0; (0, 0) 0; (0, 0) 0; (0, 0)

VID.TOT 0; (0, 5) 13.5; (5, 42.25) 4; (0, 22.75) 0; (0, 0) 0; (0, 0)

ORG.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)

DBOARD.VIEW 0; (0, 0) 0; (0, 4) 0; (0, 1) 0; (0, 0) 0; (0, 0)

~~HOF.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)~~

GDEN 0.05; (0.04, 0.07) 0.19; (0.16, 0.22) 0.11; (0.07, 0.13) 0.02; (0, 0.04) 0.04; (0.04, 0.05)

SC\_FE\_TOT 17; (13, 21) 21.5; (14.75, 32.25) 19; (14.25, 28) 14.5; (11, 17.25) 14; (10, 20.5)

SC\_MT\_TOT 13; (11, 15) 16; (13, 18) 14; (11.25, 17) 13; (11, 15) 13; (10, 15)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4 5

freq 56 38 57 59 76

EQT.TOT 0; (0, 0) 14; (10, 17.75) 0; (0, 0) 0; (0, 0) 2.5; (0, 12.25)

EQT.DIFF 0; (0, 0) 3; (0, 6) 0; (0, 0) 0; (0, 0) 0; (0, 2)

EQT.SH 0; (0, 0) 3; (0, 4) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EXC.TOT 72.5; (64.75, 90.25) 38.5; (24, 57.5) 48; (43, 51) 16; (9, 20.5) 40.5; (31.25, 51.25)

EXC.DIFF -31; (-43, -23) 5; (-11.75, 14) -10; (-13, -6) 0; (-1.5, 11) -3; (-12.25, 5)

VEQ.TOT 0; (0, 0) 14; (5.5, 21.75) 0; (0, 0) 0; (0, 0) 11; (0, 22)

VEQ.DIFF 0; (0, 0) 1; (0, 5.75) 0; (0, 0) 0; (0, 0) 0; (0, 2.25)

VEQ.SH 0; (0, 0) 1; (0, 5) 0; (0, 0) 0; (0, 0) 0; (0, 1)

VID.TOT 0; (0, 2.5) 11; (2.25, 42.75) 0; (0, 0) 0; (0, 0) 19; (7.75, 48)

ORG.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)

DBOARD.VIEW 0; (0, 0) 3; (0, 11) 0; (0, 0) 0; (0, 0) 0; (0, 1)

GDEN 0.06; (0.05, 0.09) 0.23; (0.2, 0.3) 0.05; (0.05, 0.06) 0.05; (0.01, 0.07) 0.21; (0.16, 0.25)

SC\_FE\_TOT 16.5; (12, 21) 17.5; (13, 33.75) 14; (10, 21) 16; (12, 21) 22; (17, 29)

SC\_MT\_TOT 13; (11, 15) 16; (13, 18) 13; (10, 15) 13; (11, 16) 15.5; (13, 17)

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WEEK 9 (N=281)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4

freq 112 68 28 73

EQT.TOT 0; (0, 0) 5.5; (0, 11.25) 23; (10.25, 31) 0; (0, 0)

EQT.DIFF 0; (0, 0) 0; (0, 2.25) 4; (1, 10.25) 0; (0, 0)

EQT.SH 0; (0, 0) 0; (0, 1) 1; (0, 8.25) 0; (0, 0)

EXC.TOT 30; (20, 49.5) 51.5; (36.75, 66.25) 60.5; (37, 80.75) 72; (64, 87)

EXC.DIFF -4; (-13.5, 0.5) -10.5; (-20.25, 0) -15.5; (-24, 11.5) -29; (-43, -24)

VEQ.TOT 0; (0, 0) 13; (0, 23) 22; (17.25, 31.25) 0; (0, 0)

VEQ.DIFF 0; (0, 0) 0; (0, 2) 1.5; (-1, 5) 0; (0, 0)

VEQ.SH 0; (0, 0) 0; (0, 3) 1; (0, 8.25) 0; (0, 0)

VID.TOT 0; (0, 0) 15; (5, 50.75) 15; (6, 25.75) 0; (0, 0)

ORG.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)

DBOARD.VIEW 0; (0, 0) 0; (0, 2) 8; (1, 12) 0; (0, 0)

~~HOF.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)~~

GDEN 0.05; (0.04, 0.06) 0.18; (0.16, 0.2) 0.22; (0.19, 0.26) 0.05; (0.04, 0.09)

SC\_FE\_TOT 15; (12.5, 23.5) 22; (15.75, 30.25) 19; (15.75, 29.75) 15; (11, 20)

SC\_MT\_TOT 13; (11, 16) 15; (12.75, 17) 16; (12.75, 18.25) 13; (10, 15)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4

freq 54 93 65 69

EQT.TOT 0; (0, 3) 0; (0, 0) 12; (5, 22) 0; (0, 0)

EQT.DIFF 0; (0, 0) 0; (0, 0) 2; (0, 5) 0; (0, 0)

EQT.SH 0; (0, 0) 0; (0, 0) 0; (0, 3) 0; (0, 0)

EXC.TOT 46.5; (28.75, 65.75) 32; (20, 50.5) 52; (37, 67) 72; (66, 87)

EXC.DIFF -8; (-24.5, 2.5) -6; (-14, 0) -10; (-21, 6) -29; (-43, -26)

VEQ.TOT 0; (0, 3.5) 0; (0, 0) 22; (16, 27) 0; (0, 0)

VEQ.DIFF 0; (0, 0) 0; (0, 0) 2; (-1, 4) 0; (0, 0)

VEQ.SH 0; (0, 0) 0; (0, 0) 1; (0, 6) 0; (0, 0)

VID.TOT 2; (0, 21.5) 0; (0, 0) 20; (6, 50) 0; (0, 0)

ORG.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)

DBOARD.VIEW 2; (0, 4) 0; (0, 0) 1; (0, 7) 0; (0, 0)

GDEN 0.17; (0.1, 0.21) 0.05; (0.05, 0.06) 0.26; (0.22, 0.3) 0.06; (0.05, 0.1)

SC\_FE\_TOT 23; (15, 30.75) 15; (12, 21.25) 19; (15, 29) 16; (11, 20)

SC\_MT\_TOT 15; (12.25, 17) 13; (10, 16) 15; (13, 17) 13; (11, 15)

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WEEK 10 (N=276)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4 5

freq 106 48 76 12 34

EQT.TOT 0; (0, 0) 0; (0, 0) 3; (0, 12.5) 14.5; (5, 22) 0; (0, 0)

EQT.DIFF 0; (0, 0) 0; (0, 0) 0; (0, 2) 2; (0, 7.25) 0; (0, 0)

EQT.SH 0; (0, 0) 0; (0, 0) 0; (0, 0) 0.5; (0, 5.25) 0; (0, 0)

EXC.TOT 31; (23.25, 35) 0; (0, 11) 24; (14, 35) 46.5; (29.25, 68.75) 48; (46, 56.75)

EXC.DIFF -9; (-13, -2) 0; (0, 11) 0; (-10, 7.5) -6.5; (-20, 2.5) -25; (-31, -23)

VEQ.TOT 0; (0, 0) 0; (0, 0) 15; (3.5, 21.5) 22; (14.5, 31.5) 0; (0, 0)

VEQ.DIFF 0; (0, 0) 0; (0, 0) 0; (-3, 1) 0.5; (-1.25, 5) 0; (0, 0)

VEQ.SH 0; (0, 0) 0; (0, 0) 0; (0, 3) 5.5; (0, 10) 0; (0, 0)

VID.TOT 0; (0, 2) 0; (0, 0) 9; (3, 21) 136; (29, 194) 0; (0, 0)

ORG.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 8.25) 0; (0, 0.25)

DBOARD.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 2.75) 0; (0, 2.25) 0; (0, 0)

~~HOF.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)~~

GDEN 0.05; (0.04, 0.07) 0.01; (0, 0.01) 0.16; (0.1, 0.18) 0.22; (0.18, 0.24) 0.04; (0.04, 0.05)

SC\_FE\_TOT 17; (12, 24.75) 17; (13.75, 22.25) 21; (14.5, 31.5) 16; (13.25, 26) 14; (11, 17.75)

SC\_MT\_TOT 13; (11, 16) 14; (11, 16) 16; (12, 17.5) 13.5; (12.75, 14.25) 13; (10.25, 15)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4 5

freq 84 49 61 71 11

EQT.TOT 0; (0, 0) 0; (0, 0) 4; (0, 14.25) 0; (0, 0) 14; (4, 21)

EQT.DIFF 0; (0, 0) 0; (0, 0) 0; (0, 2) 0; (0, 0) 2; (0, 5.5)

EQT.SH 0; (0, 0) 0; (0, 0) 0; (0, 1) 0; (0, 0) 0; (0, 5.5)

EXC.TOT 40; (34, 48) 0; (0, 11) 25; (14, 35.25) 24; (11, 29.5) 51; (28.5, 73.5)

EXC.DIFF -18; (-25, -13) 0; (0, 11) 0; (-10, 4.25) -2; (-7, 0) -5; (-17.5, 7)

VEQ.TOT 0; (0, 0) 0; (0, 0) 15; (7, 22.5) 0; (0, 0) 23; (16.5, 34)

VEQ.DIFF 0; (0, 0) 0; (0, 0) 0; (-4, 1) 0; (0, 0) 1; (-1.5, 5)

VEQ.SH 0; (0, 0) 0; (0, 0) 0.5; (0, 3.25) 0; (0, 0) 6; (1.5, 10)

VID.TOT 0; (0, 0) 0; (0, 0) 10; (4, 20.5) 0; (0, 9) 160; (65.5, 212)

ORG.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 5.5)

DBOARD.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 2) 0; (0, 2) 0; (0, 2.5)

GDEN 0.05; (0.05, 0.06) 0.01; (0, 0.01) 0.21; (0.17, 0.22) 0.06; (0.05, 0.07) 0.26; (0.2, 0.29)

SC\_FE\_TOT 15; (11, 21) 17; (14, 22) 22.5; (16.75, 32) 17; (12.5, 27.5) 15; (12.5, 26)

SC\_MT\_TOT 13; (10, 16) 14; (11, 16) 16; (13, 18) 13; (11, 16) 13; (12.5, 14.5)

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WEEK 11 (N=282)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4

freq 75 61 105 41

EQT.TOT 2; (0, 17.5) 0; (0, 1) 0; (0, 0) 0; (0, 0)

EQT.DIFF 0; (0, 1) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EQT.SH 0; (0, 1) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EXC.TOT 37; (25, 50) 36; (22, 47) 48; (34.75, 59) 16; (0, 17)

EXC.DIFF -3; (-16, 9.5) -5; (-13, 4) -17; (-25, -8) 14; (0, 16)

VEQ.TOT 12; (8, 16) 0; (0, 0) 0; (0, 0) 0; (0, 0)

VEQ.DIFF 1; (-1, 2) 0; (0, 0) 0; (0, 0) 0; (0, 0)

VEQ.SH 0; (0, 3) 0; (0, 0) 0; (0, 0) 0; (0, 0)

VID.TOT 21; (9, 35) 0; (0, 12) 0; (0, 0) 0; (0, 0)

ORG.VIEW 0; (0, 0) 0; (0, 2) 0; (0, 0) 0; (0, 0)

DBOARD.VIEW 1; (0, 6) 0; (0, 0) 0; (0, 0) 0; (0, 0)

~~HOF.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)~~

GDEN 0.18; (0.17, 0.22) 0.1; (0.08, 0.13) 0.04; (0.04, 0.05) 0.01; (0, 0.03)

SC\_FE\_TOT 19; (14, 30) 20; (14, 31) 15; (11, 20) 17; (13, 26)

SC\_MT\_TOT 15; (12, 17) 14; (13, 17) 12; (10, 15) 15; (10, 16)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4

freq 98 129 41 14

EQT.TOT 0; (0, 6) 0; (0, 0) 0; (0, 0) 31.5; (18.75, 43)

EQT.DIFF 0; (0, 0) 0; (0, 0) 0; (0, 0) 5; (1.25, 7.75)

EQT.SH 0; (0, 0) 0; (0, 0) 0; (0, 0) 4; (0, 15.5)

EXC.TOT 37.5; (25, 50) 44.5; (31.75, 56) 16; (0, 17) 43; (27.75, 48.5)

EXC.DIFF -3.5; (-16, 8) -14; (-23, -6) 14; (0, 16) -11; (-16.5, 4.25)

VEQ.TOT 8; (0, 13) 0; (0, 0) 0; (0, 0) 14; (13, 19.75)

VEQ.DIFF 0; (-1, 1) 0; (0, 0) 0; (0, 0) 3; (2, 3)

VEQ.SH 0; (0, 1) 0; (0, 0) 0; (0, 0) 6; (3.5, 7)

VID.TOT 12; (0.5, 26.5) 0; (0, 0) 0; (0, 0) 32.5; (20.25, 68)

ORG.VIEW 0; (0, 2) 0; (0, 0) 0; (0, 0) 0; (0, 5.75)

DBOARD.VIEW 0; (0, 2) 0; (0, 0) 0; (0, 0) 5.5; (0.5, 9.25)

GDEN 0.2; (0.15, 0.23) 0.06; (0.05, 0.07) 0.01; (0, 0.04) 0.3; (0.27, 0.32)

SC\_FE\_TOT 21.5; (15, 31) 15; (11, 20) 17; (13, 26) 16.5; (11.75, 26.75)

SC\_MT\_TOT 15; (12.25, 17) 13; (10, 15) 15; (10, 16) 15; (13, 17.75)

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WEEK 12 (N=279)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4

freq 107 72 70 30

EQT.TOT 0; (0, 0) 0; (0, 8) 0; (0, 0) 0; (0, 0)

EQT.DIFF 0; (0, 0) 0; (0, 0.25) 0; (0, 0) 0; (0, 0)

EQT.SH 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EXC.TOT 46; (38, 54) 36.5; (26, 48.25) 14; (0, 19) 74.5; (68.25, 81.5)

EXC.DIFF -13; (-21, -7) 1.5; (-9.25, 11.5) 1.5; (0, 13.75) -40.5; (-45, -32.25)

VEQ.TOT 0; (0, 0) 17; (8.75, 25.25) 0; (0, 0) 0; (0, 0)

VEQ.DIFF 0; (0, 0) 0; (-2, 2) 0; (0, 0) 0; (0, 0)

VEQ.SH 0; (0, 0) 1; (0, 5) 0; (0, 0) 0; (0, 0)

VID.TOT 0; (0, 0) 12; (3.75, 28.25) 0; (0, 0) 0; (0, 0)

ORG.VIEW 0; (0, 2) 0; (0, 1) 0; (0, 0) 0; (0, 0)

DBOARD.VIEW 0; (0, 0) 0; (0, 5.25) 0; (0, 0) 0; (0, 0)

~~HOF.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)~~

GDEN 0.05; (0.04, 0.07) 0.18; (0.15, 0.2) 0.04; (0.01, 0.05) 0.04; (0.04, 0.06)

SC\_FE\_TOT 16; (12.5, 20) 20.5; (14, 31) 19; (14, 27.75) 15; (11, 20.75)

SC\_MT\_TOT 13; (11, 16) 15; (12.75, 17) 15; (11, 17) 11; (8, 13)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4

freq 76 50 54 99

EQT.TOT 0; (0, 8.75) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EQT.DIFF 0; (0, 2) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EQT.SH 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)

EXC.TOT 39; (26, 50) 9.5; (0, 17) 66.5; (58.5, 75.75) 38; (29.5, 46)

EXC.DIFF -1; (-13, 11) 0; (0, 16) -30; (-41, -23.25) -7; (-13, 2)

VEQ.TOT 16; (6.75, 25) 0; (0, 0) 0; (0, 0) 0; (0, 0)

VEQ.DIFF 0; (-1.25, 2) 0; (0, 0) 0; (0, 0) 0; (0, 0)

VEQ.SH 0; (0, 5) 0; (0, 0) 0; (0, 0) 0; (0, 0)

VID.TOT 10; (3, 24.25) 0; (0, 0) 0; (0, 0) 0; (0, 0)

ORG.VIEW 0; (0, 1) 0; (0, 0) 0; (0, 0) 0; (0, 2)

DBOARD.VIEW 0; (0, 5.25) 0; (0, 0) 0; (0, 0) 0; (0, 0)

GDEN 0.22; (0.19, 0.25) 0.02; (0, 0.05) 0.05; (0.05, 0.07) 0.06; (0.05, 0.09)

SC\_FE\_TOT 20; (15, 30.25) 17; (14, 27) 14; (11, 18.75) 17; (13, 26)

SC\_MT\_TOT 15; (12, 17) 14.5; (11, 16) 12; (10.25, 14.75) 13; (11, 16)

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WEEK 13 (N=287)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4 5

freq 97 41 25 107 17

EQT.TOT 0; (0, 9) 19; (6, 30) 177; (148, 210) 48; (30, 78.5) 121; (56, 137)

EQT.DIFF 0; (0, 1) 3; (-1, 8) 66; (48, 94) 9; (3, 18) 12; (-1, 23)

EQT.SH 0; (0, 1) 1; (0, 3) 4; (1, 23) 8; (2, 15) 6; (3, 21)

EXC.TOT 8; (2, 37) 94; (36, 193) 219; (4, 304) 149; (19.5, 261.5) 367; (149, 494)

EXC.DIFF 0; (-4, 2) 1; (-4, 17) 14; (1, 80) 6; (-3, 54) -1; (-16, 188)

VEQ.TOT 0; (0, 5) 65; (36, 101) 0; (0, 8) 5; (0, 18) 104; (72, 212)

VEQ.DIFF 0; (0, 0) 4; (0, 16) 0; (0, 1) 0; (0, 1) 11; (0, 30)

VEQ.SH 0; (0, 0) 8; (1, 15) 0; (0, 2) 0; (0, 4) 10; (3, 42)

VID.TOT 2; (0, 16) 149; (76, 247) 42; (0, 83) 23; (2.5, 87.5) 76; (44, 239)

ORG.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 2) 0; (0, 0) 0; (0, 0)

DBOARD.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)

~~HOF.VIEW 0; (0, 0) 0; (0, 0.5) 0; (0, 0) 0; (0, 0) 0; (0, 0)~~

GDEN 0.01; (0, 0.03) 0.02; (0, 0.03) 0.03; (0.01, 0.06) 0.04; (0.02, 0.08) 0.04; (0.01, 0.14)

SC\_FE\_TOT 16; (12, 21) 17; (15, 22) 30; (21, 35) 17; (13, 29) 18; (12, 26)

SC\_MT\_TOT 13; (11, 15) 13; (10, 15) 17; (13, 18) 15; (12, 16) 13; (10, 15)

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attributes Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3) Median; (Q1, Q3)

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cluster 1 2 3 4 5

freq 124 36 46 47 34

EQT.TOT 4; (0, 18.25) 160; (127.75, 207.75) 35; (6.5, 49.5) 80; (64.5, 103) 24.5; (8.25, 48.5)

EQT.DIFF 0; (0, 2) 57; (20, 85.75) 6; (2, 13.75) 14; (4.5, 31.5) 4; (-0.75, 10.5)

EQT.SH 0; (0, 3.25) 4; (0.75, 14.25) 2; (0, 8) 10; (4.5, 16.5) 2.5; (1, 14)

EXC.TOT 9; (2, 38.25) 288; (97.25, 390.75) 259.5; (184.75, 314.5) 73; (6.5, 171) 123.5; (41, 222.5)

EXC.DIFF 0; (-3.25, 2) 19.5; (0, 123.5) 39.5; (-1.25, 89) 2; (-3, 23.5) 2; (-8, 45)

VEQ.TOT 0; (0, 8.75) 8; (0, 93.5) 0; (0, 9) 11; (0, 24.5) 78; (43.25, 106.25)

VEQ.DIFF 0; (0, 0) 0; (0, 12.25) 0; (0, 0) 0; (0, 2) 3; (-2.75, 18.25)

VEQ.SH 0; (0, 2) 0; (0, 3) 0; (0, 1) 1; (0, 5.5) 15; (5, 22.5)

VID.TOT 6; (0, 51) 46; (9.25, 95.25) 8; (0, 37) 45; (4, 96) 139; (58.5, 247.75)

ORG.VIEW 0; (0, 0) 0; (0, 2) 0; (0, 0) 0; (0, 0) 0; (0, 0)

DBOARD.VIEW 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0) 0; (0, 0)

GDEN 0.02; (0, 0.04) 0.05; (0.02, 0.11) 0.02; (0.01, 0.05) 0.09; (0.04, 0.17) 0.02; (0, 0.04)

SC\_FE\_TOT 15; (11, 21) 26.5; (17.75, 35) 20; (15, 29.75) 17; (11, 21.5) 17; (14, 22.75)

SC\_MT\_TOT 13; (10.75, 16) 16; (11.75, 18) 15; (12.25, 17) 15; (11, 16) 13; (11, 15)

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