# Oneway

## Descriptives

divScore

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean Lower Bound |
|---|---|---|---|---|---|
| content | 85 | ,67505434102 | ,11031877451 | ,01196575113 | ,65125913265 |
| random | 82 | ,68354012834 | ,11722710249 | ,01294556783 | ,65778250909 |
| sentiment | 81 | ,82927989811 | ,11704959327 | ,01300551036 | ,80339810767 |
| topics | 88 | ,70387539797 | ,13084937103 | ,01394858982 | ,67615106533 |
| Total | 336 | ,72185302464 | ,13372718454 | ,00729541602 | ,70750242620 |

## Descriptives

divScore

| | 95% Confidence Interval for Mean Upper Bound | Minimum | Maximum |
|---|---|---|---|
| content | ,69884954939 | ,40191134770 | ,95458726986 |
| random | ,70929774760 | ,48333856041 | ,87906941604 |
| sentiment | ,85516168856 | ,43449539988 | ,95624143427 |
| topics | ,73159973061 | ,44143157545 | ,94396205710 |
| Total | ,73620362308 | ,40191134770 | ,95624143427 |

## Tests of Homogeneity of Variances

| | | Levene Statistic | df1 | df2 | Sig. |
|---|---|---|---|---|---|
| divScore | Based on Mean | 1,451 | 3 | 332 | ,228 |
| | Based on Median | 1,427 | 3 | 332 | ,235 |
| | Based on Median and with adjusted df | 1,427 | 3 | 318,118 | ,235 |
| | Based on trimmed mean | 1,646 | 3 | 332 | ,179 |

## ANOVA

divScore

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 1,270 | 3 | ,423 | 29,764 | <,001 |
| Within Groups | 4,721 | 332 | ,014 | | |
| Total | 5,991 | 335 | | | |

## ANOVA Effect Sizes[a]

| | | Point Estimate | 95% Confidence Interval Lower | Upper |
|---|---|---|---|---|
| divScore | Eta-squared | ,212 | ,135 | ,280 |
| | Epsilon-squared | ,205 | ,127 | ,274 |
| | Omega-squared Fixed-effect | ,204 | ,127 | ,273 |
| | Omega-squared Random-effect | ,079 | ,046 | ,111 |

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

## Post Hoc Tests

### Multiple Comparisons

Dependent Variable:    divScore

| | (I) condition_num | (J) condition_num | Mean Difference (I-J) | Std. Error | Sig. |
|---|---|---|---|---|---|
| Tukey HSD | content | random | -,0084857873 | ,01845830016 | ,968 |
| | | sentiment | -,1542255571[*] | ,01851620281 | <,001 |
| | | topics | -,0288210569 | ,01813519000 | ,386 |
| | random | content | ,00848578732 | ,01845830016 | ,968 |
| | | sentiment | -,1457397698[*] | ,01868074637 | <,001 |
| | | topics | -,0203352696 | ,01830315914 | ,683 |
| | sentiment | content | ,1542255571[*] | ,01851620281 | <,001 |
| | | random | ,1457397698[*] | ,01868074637 | <,001 |
| | | topics | ,1254045001[*] | ,01836155104 | <,001 |
| | topics | content | ,02882105695 | ,01813519000 | ,386 |
| | | random | ,02033526963 | ,01830315914 | ,683 |
| | | sentiment | -,1254045001[*] | ,01836155104 | <,001 |

## Multiple Comparisons

Dependent Variable:    divScore

| | (I) condition_num | (J) condition_num | 95% Confidence Interval | |
|---|---|---|---|---|
| | | | Lower Bound | Upper Bound |
| Tukey HSD | content | random | -,0561467724 | ,03917519780 |
| | | sentiment | -,2020360521 | -,1064150621 |
| | | topics | -,0756477427 | ,01800562880 |
| | random | content | -,0391751978 | ,05614677244 |
| | | sentiment | -,1939751309 | -,0975044086 |
| | | topics | -,0675956667 | ,02692512749 |
| | sentiment | content | ,10641506212 | ,20203605206 |
| | | random | ,09750440860 | ,19397513094 |
| | | topics | ,07799332991 | ,17281567037 |
| | topics | content | -,0180056288 | ,07564774269 |
| | | random | -,0269251275 | ,06759566674 |
| | | sentiment | -,1728156704 | -,0779933299 |

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### divScore

| | condition_num | N | Subset for alpha = 0.05 | |
|---|---|---|---|---|
| | | | 1 | 2 |
| Tukey HSD[a,b] | content | 85 | ,67505434102 | |
| | random | 82 | ,68354012834 | |
| | topics | 88 | ,70387539797 | |
| | sentiment | 81 | | ,82927989811 |
| | Sig. | | ,400 | 1,000 |
| Tukey B[a,b] | content | 85 | ,67505434102 | |
| | random | 82 | ,68354012834 | |
| | topics | 88 | ,70387539797 | |
| | sentiment | 81 | | ,82927989811 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 83,912.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.