

BI / read / 2

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|---------|---|----------------|---|---|---|----------|-------------|---|---|----------|--------------|---|---|--|---|--------------|----------------|---|---|---|------|----------------|---|--|
| query | BI / read / 2 | | | | | | | | | | | | | | | | | | | | | | | |
| title | Tag evolution | | | | | | | | | | | | | | | | | | | | | | | |
| pattern | <pre>graph TD TagClass[TagClass] -- hasType --> tag[tag: Tag] tag -- "«opt» hasTag" --> Message1[message: Message] tag -- "«opt» hasTag" --> Message2[message: Message] subgraph Window1 [countWindow1 = count(message)] Message1 end subgraph Window2 [countWindow2 = count(message)] Message2 end Message1 -- "creationDate in [\$date, \$date+100 days)" --> Window1 Message2 -- "creationDate in [\$date+100 days, \$date+200 days)" --> Window2</pre> | | | | | | | | | | | | | | | | | | | | | | | |
| desc. | Find the Tags under a given TagClass that were used in Messages during in the 100-day period starting at date and compare it with the 100-day period that follows. For the Tags and for both months, compute the count of Messages. | | | | | | | | | | | | | | | | | | | | | | | |
| params | <table><tr><td>1</td><td>date</td><td>Date</td><td></td></tr><tr><td>2</td><td>tagClass</td><td>Long String</td><td>TagClasses with a similar amount of Messages are selected</td></tr></table> | | | | 1 | date | Date | | 2 | tagClass | Long String | TagClasses with a similar amount of Messages are selected | | | | | | | | | | | | |
| 1 | date | Date | | | | | | | | | | | | | | | | | | | | | | |
| 2 | tagClass | Long String | TagClasses with a similar amount of Messages are selected | | | | | | | | | | | | | | | | | | | | | |
| result | <table><tr><td>1</td><td>tag.name</td><td>Long String</td><td>R</td><td></td></tr><tr><td>2</td><td>countWindow1</td><td>32-bit Integer</td><td>A</td><td>Occurrences of the tagClass during the first time window</td></tr><tr><td>3</td><td>countWindow2</td><td>32-bit Integer</td><td>A</td><td>Occurrences of the tagClass during the second time window</td></tr><tr><td>4</td><td>diff</td><td>32-bit Integer</td><td>A</td><td>Absolute difference of countWindow1 and countWindow2</td></tr></table> | | | | 1 | tag.name | Long String | R | | 2 | countWindow1 | 32-bit Integer | A | Occurrences of the tagClass during the first time window | 3 | countWindow2 | 32-bit Integer | A | Occurrences of the tagClass during the second time window | 4 | diff | 32-bit Integer | A | Absolute difference of countWindow1 and countWindow2 |
| 1 | tag.name | Long String | R | | | | | | | | | | | | | | | | | | | | | |
| 2 | countWindow1 | 32-bit Integer | A | Occurrences of the tagClass during the first time window | | | | | | | | | | | | | | | | | | | | |
| 3 | countWindow2 | 32-bit Integer | A | Occurrences of the tagClass during the second time window | | | | | | | | | | | | | | | | | | | | |
| 4 | diff | 32-bit Integer | A | Absolute difference of countWindow1 and countWindow2 | | | | | | | | | | | | | | | | | | | | |
| sort | <table><tr><td>1</td><td>diff</td><td>↓</td><td></td></tr><tr><td>2</td><td>tag.name</td><td>↑</td><td></td></tr></table> | | | | 1 | diff | ↓ | | 2 | tag.name | ↑ | | | | | | | | | | | | | |
| 1 | diff | ↓ | | | | | | | | | | | | | | | | | | | | | | |
| 2 | tag.name | ↑ | | | | | | | | | | | | | | | | | | | | | | |
| limit | 100 | | | | | | | | | | | | | | | | | | | | | | | |
| CPs | 2.4, 3.1, 3.2, 4.1, 4.2, 4.3, 5.3, 6.1, 8.2, 8.5 | | | | | | | | | | | | | | | | | | | | | | | |