Elasticsearch Example Queries Cheat Sheet

by Greg Finzer (GregFinzer) via cheatography.com/15280/cs/32188/

Count items in an index

```
GET customer_index/_count
{
" que ry" : {
" mat ch_ all " : {}
}
}
```

Return the top 200 products that are movies

```
GET product_index/_search
{
" siz e" : 200,
" que ry" : {
" boo l" : {
" mus t" : [
{
" mat ch" : {
" cat ego ry" : " Mov ie"
}
}
]
}
}
}
```

Get an aggregate list of product categories

```
GET product_index/_search
{
" siz e" : 0,
" agg s" : {
" cat ego ry" : {
" ter ms" : {
" fie ld" : " cat ego ry.k ey wor d",
" ord er" : {
" _ke y" : " asc "
}
}
}
```

Get an aggregate list of product categories (cont)

```
>}
}
```

Get a list of products that do not have a category

```
GET product_index/_search
{
" siz e" : 200,
" que ry" : {
" boo l" : {
" mus t_n ot" : [
{
" exi sts " : {
" fie ld" : " cat ego ry"
}
}
],
" min imu m_s hou ld_ mat ch" : 1,
" sho uld " : [
{
" mat ch" : {
" pro duc t_t ype " : {
" que ry" : " Phy sic al"
}
}
}
]
}
}
}
```

Group by Aggregate

```
GET product_index/_search
{
        " siz e" : 0,
        " que ry" : {
                " boo l" : {
                        " mus t" : [
```

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Group by Aggregate (cont)

```
>          {
            "match" : {
               "product_type" : "Physical"
            }
          },
          {
            "wildcard" : {
               "category.keyword" : {
                  "value" : "DVD"
               }
            }
          }

        ]
      }
    },
    "aggs" : {
      "group_by_column" : {
        "terms" : {
          "field" : "category.keyword",
          "size" : 10000
        }
      }

    }
}
```

Get top 200 from the customer_index

```
GET customer_index/_search
{
" siz e" : 200,
" que ry" : {
" mat ch_ all " : {}
}
}
```

Search that have DVD in the name with a wildcard

```
GET product_index/_search
{
" siz e" : 200,
" que ry" : {
" wil dca rd" : {
" nam e" : {
" val ue" : "DVD"
}
}
}
}
```

Perform a search and order by using functions

```
GET product_index/_search
{
    " siz e": 200,
    " que ry": {
        " fun cti on_ sco re": {
            " que ry": {
                " boo l": {
                    " mus t": [
                        {
                            " boo l": {
                                " min imu m_s hou -
ld_ mat ch": 1,
                                " sho uld ": [
                                    {
                                        " ter m":
{
                                            " -
cat ego ry.k ey wor d": " Boo ks"
                                        }
                                    },
                                    {
                                        " ter m":
{
                                            " -
cat ego ry.k ey wor d": " Mov ies "
                                        }
                                    }
                                ]
                            }
```

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Perform a search and order by using functions (cont)

```
>          }
        ],
        "minimum_should_match": 1,
        "should": [
         {
          "match_phrase": {
           "nameLowercase": "journey"
          }
         },
         {
          "match_phrase": {
           "descriptionLowercase": "journey"
          }
         }
        ]
       }
      },
      "functions": [
       {
        "filter": {
         "bool": {
          "must": [
           {
            "term": {
             "nameLowercase.keyword": "journey"
            }
           }
          ]
         }
        },
        "weight": 3
       },
       {
        "filter": {
         "bool": {
          "must": [
```

Perform a search and order by using functions (cont)

```
>           {
            "match_phrase": {
             "nameLowercase": "journey"
            }
           }
          ]
         }
        },
        "weight": 2
       },
       {
        "filter": {
         "bool": {
          "must": [
           {
            "match_phrase": {
             "descriptionLowercase": "journey"
            }
           }
          ]
         }
        },
        "weight": 1
       }
      ],
      "score_mode": "first",
      "boost_mode": "replace"
     }
    },
    "sort": {
     "_score": {
      "order": "desc"
     }
    }
}
```

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