

Count items in an index

```
GET customer_index/_count
{
  "query" : {
    "match_all" : {}
  }
}
```

Return the top 200 products that are movies

```
GET product_index/_search
{
  "size" : 200,
  "query" : {
    "bool" : {
      "must" : [
        {
          "match" : {
            "category" : "Movie"
          }
        }
      ]
    }
  }
}
```

Get an aggregate list of product categories

```
GET product_index/_search
{
  "size" : 0,
  "aggs" : {
    "category" : {
      "terms" : {
        "field" : "category.keyword",
        "order" : {
          "_key" : "asc"
        }
      }
    }
  }
}
```

Get an aggregate list of product categories (cont)

```
>}
}
```

Get a list of products that do not have a category

```
GET product_index/_search
{
  "size" : 200,
  "query" : {
    "bool" : {
      "must_not" : [
        {
          "exists" : {
            "field" : "category"
          }
        }
      ],
      "minimum_should_match" : 1,
      "should" : [
        {
          "match" : {
            "product_type" : "Physical"
          }
        }
      ]
    }
  }
}
```

Group by Aggregate

```
GET product_index/_search
{
  "size" : 0,
  "query" : {
    "bool" : {
      "must" : [
```



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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
{
  "size": 200,
  "query": {
    "match_all": {}
  }
}
```

Search that have DVD in the name with a wildcard

```
GET product_index/_search
{
  "size": 200,
  "query": {
    "wildcard": {
      "name": {
        "value": "DVD"
      }
    }
  }
}
```

Perform a search and order by using functions

```
GET product_index/_search
{
  "size": 200,
  "query": {
    "function_score": {
      "query": {
        "bool": {
          "must": [
            {
              "bool": {
                "minimum_should_match": 1,
                "should": [
                  {
                    "term": {
                      "category.keyword": "Books"
                    }
                  },
                  {
                    "term": {
                      "category.keyword": "Movies"
                    }
                  }
                ]
              }
            }
          ]
        }
      }
    }
  }
}
```



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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