# esearch请求参数格式

## 一、通用字段

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **类型** | **说明** | **NOT NULL** | **默认值** | **备注** |
| index | string | 索引 | Y |  |  |
| pageNo | int | 分页页码 |  | 1 |  |
| pageSize | int | 分页大小 |  | 36 |  |
| filters | array | 条件数组 | Y |  |  |

针对不同查询划分filters结构

## 二、查询条件

### 1.等值查询(terms query)

**字段说明**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **类型** | **说明** | **NOT NULL** | **默认值** | **备注** |
| field | string | 查询字段名 | Y |  |  |
| values | array[object] | 查询值数组 | Y |  |  |
| pair | string | 组合条件 | N |  |  |

**请求实例**

{

"index": "GB",

"pageNo": 1,

"pageSize": 36,

"filters": [

{

"field": "goodsSn",

"values": [

"12345678"

]

}

]

}

### 范围查询(range query)

针对数值型字段进行范围查询

**字段说明**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **类型** | **说明** | **NOT NULL** | **默认值** | **备注** |
| field | string | 查询字段名 | Y |  | 数字类型 |
| values | array[object] | 查询值数组 | Y |  | 二值数组  只允许数值,\*  \*表示无穷 |
| type | string | 查询类型 | Y |  | range |
| includeLower | boolean | 是否包含左边界 | N | true |  |
| includeUpper | boolean | 是否包含右边界 | N | true |  |
| pair | string | 组合条件 | N |  |  |

**请求实例**

{

"index": "GB",

"pageNo": 1,

"pageSize": 36,

"filters": [

{

"field": "displayPrice",

"values": [

10.10, 20.5

],

"type": "range"

}

]

}

### 日期范围查询(date query)

针对日期型字段进行范围查询，基于当前日期而言，比如查询最近7天、15天数据

**字段说明**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **类型** | **说明** | **NOT NULL** | **默认值** | **备注** |
| field | string | 查询字段名 | Y |  | 日期类型 |
| value | string | 基准日期 | N | current | 格式yyyy-MM-dd |
| interval | int | 间隔天数 | Y | 0 | 查询范围：  >0: [value, value+interval]  <0: [value-interval, value] |
| type | string | 查询类型 | Y |  | date |
| pair | string | 组合条件 | N |  |  |

**请求实例**

{

"index": "GB",

"pageNo": 1,

"pageSize": 36,

"filters": [

{

"field": "upTime",

"value": "2018-12-30",

"interval": 7,

"type": "date"

}

]

}

### 排除查询(must\_not query)

排除指定值查询

**字段说明**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **类型** | **说明** | **NOT NULL** | **默认值** | **备注** |
| field | string | 查询字段名 | Y |  |  |
| values | array[object] | 查询值数组 | Y |  |  |
| type | string | 查询类型 |  |  | mustNot |
| pair | string | 组合条件 | N |  |  |

**请求实例**

{

"index": "GB",

"pageNo": 1,

"pageSize": 36,

"filters": [

{

"field": "goodsSn",

"values": [

1288392928,

2389203822

]

"type": "mustNot"

}

]

}

### 存在查询(exist query)

查询存在字段值的sku

**字段说明**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **类型** | **说明** | **NOT NULL** | **默认值** | **备注** |
| field | string | 查询字段名 | Y |  |  |
| type | string | 查询类型 |  |  | exist |
| pair | string | 组合条件 | N |  |  |

**请求实例**

{

"index": "GB",

"pageNo": 1,

"pageSize": 36,

"filters": [

{

"field": "goodsSn",

"type": "exist"

}

]

}

### 布尔权重查询(bool query)

**字段说明**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **类型** | **说明** | **NOT NULL** | **默认值** | **备注** |
| field | string | 查询字段名 | Y |  |  |
| values | array[object] | 查询值数组 | Y |  | 二值数组  只允许数值,\*  \*表示无穷 |
| weight | int | 权重 | Y |  |  |
| includeLower | boolean | 是否包含左边界 | N | true |  |
| includeUpper | boolean | 是否包含右边界 | N | true |  |
| type | string | 查询类型 | Y |  | boost |

**请求实例**

{

"index": "GB",

"pageNo": 1,

"pageSize": 36,

"filters": [

{

"field": "stockFlag",

"values": [1, \*],

"weight": 1000,

"type": "boost"

}

]

}

### 组合查询(pairs query)

pairs定义组合应该采用should还是must来进行条件组合，组合查询需要和其他查询结合使用，根据pair字段进行条件组合

**字段说明**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **字段名** | **类型** | **说明** | **NOT NULL** | **默认值** | **备注** |
| **operators** | string | 组合条件 | Y |  |  |
| **]name** | string | pair名称 | Y |  |  |
| **]operator** | string | 匹配模式 | Y |  | 只允许should/must |
| **type** | string | 查询条件 | Y |  | pairs |

**请求实例**

{

"index": "GB",

"pageNo": 1,

"pageSize": 36,

"filters": [

{

"operators": [

{

"name": "shouldPair",

"operator": "should"

},

{

"name": "mustPair",

"operator": "must"

}

],

"type": "pairs"

}

]

}

## 三、聚合条件

## 四、响应结果

**字段说明**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **字段名** | **类型** | **说明** | **NOT NULL** | **默认值** |
| index | string | 索引名 | Y |  |
| pageNo | int | 分页页码 | Y | 1 |
| PageSize | int | 分页大小 | Y | 36 |
| total | int | 总记录数 | Y |  |
| data | array[object] | 返回数据对象 | N |  |

**响应实例**

{

"index": "GB",

"pageNo": 1,

"pageSize": 36,

"total": 1000,

"data": [

{

"skuId": "12832",

"goodsSn": "1288392928",

"goodsTitle": "nick shoes xxx xxx",

"goodsImg": "zaful/pdm-product-pic/Clothing/2018/09/15/grid-img/1538950055685081575.jpg",

"displayPrice": 20.18,

"goodsWebSpu": "129203820928",

"categories": [

{

"catId": 283,

"catName": "shoes",

"level": 1

},

{

"catId": 189,

"catName": "winter shoes",

"level": 2

}

],

"stockFlag": 1,

"goodsNumber": 200,

"upTime": 1543980261

}

]

}