



## Chapter 4: Core Aggregation - Multidimensional Grouping

### Facets: Single Facet Query

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Single query facets are supported by the new aggregation pipeline stage **\$sortByCount**.

As like any other aggregation pipelines, except for **\$out**, we can use the output of this stage, as input for downstream stages and operators, manipulating the dataset accordingly.

The **correct** answers are:

```
[
  {"$match": { "$text": {"$search": "network"} }},
  {"$sortByCount": "$offices.city"}
]
```

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and

```
[
  {"$unwind": "$offices"},
  {"$project": { "_id": "$name", "hq": "$offices.city" }},
  {"$sortByCount": "$hq"},
  {"$sort": { "_id": -1 }},
  {"$limit": 100}
]
```

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The pipeline

```
[
  {"$match": { "$text": {"$search": "network"} }},
  {"$unwind": "$offices"},
  {"$sort": { "_id": -1 }}
]
```

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is **not** a single query **facet** since it does not group any particular data dimension. It simply unwinds an array field and sorts that result set.

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