## Week 8

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DSC 650 Big Data

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## 1. Creating a Solr Collection



## 2. Generating and Adding Data to the Collection

## 3. Querying the Collection

4. Advanced Querying in Solr Web Interface

```
},
"facet_counts":{
    "facet_queries":{ },
    "facet_fields":{
        "category":["books",1,"electronics",1]
    },
    "facet_ranges":{ },
    "facet_intervals":{ },
    "facet_heatmaps":{ }
}
}

facet_counts":{
    "facet_queries":{
        "price:[* TO 50]":1
```

5. Custom JSON Data- Queries

```
"responseHeader":{
                                              "responseHeader":{
  "status":0,
                                                                                        "responseHeader":{
                                                "status":0,
                                                                                                                            "facet_counts":{
  "QTime":2,
                                                                                         "status":0,
                                                "OTime":1,
                                                                                                                              "facet_queries":{ },
  "params":{
                                                "params":{
                                                                                         "QTime":3,
   "q": "gender: Male",
                                                                                                                              "facet_fields":{
                                                  "q":"*:*",
   "indent": "true",
                                                                                         "params":{
                                                                                                                                "gender":["female",2,"male",2]
   "q.op":"OR",
                                                  "indent": "true",
                                                                                           "q":"first_name:Noell",
   "useParams":"",
                                                                                                                              },
                                                  "fl":"first_name last_name",
                                                                                           "indent": "true",
   "_":"1706994231716"
                                                  "q.op":"OR",
                                                                                           "q.op":"OR",
                                                  "useParams":"",
                                                                                           "useParams":"",
},
                                                   "_":"1706994231716"
                                                                                           "_":"1706994231716"
"response":{
                                               }
  "numFound":2,
                                                                                         }
  "start":0,
                                                                                       },
                                              "response":{
  "numFoundExact":true,
                                                                                        "response":{
                                               "numFound":4,
  "docs":[{
   "id":"2",
                                               "start":0,
                                                                                         "numFound":1,
   "first_name":["Giavani"],
                                               "numFoundExact":true,
                                                                                         "start":0,
   "last_name":["Frediani"],
                                                "docs":[{
                                                                                         "numFoundExact":true,
   "email":["gfredianil@senate.gov"],
                                                  "first_name":["Jeanette"],
                                                                                         "docs":[{
   "gender":["Male"],
                                                  "last_name":["Penddreth"]
                                                                                           "id":"3",
   "ip_address":["229.179.4.212"],
    "_version_":1789913175120936960
                                                                                           "first_name":["Noell"],
                                                  "first_name":["Giavani"],
 1, {
                                                                                           "last_name":["Bea"],
                                                  "last_name":["Frediani"]
   "id":"4",
                                                                                           "email":["nbea2@imageshack.us"],
   "first_name":["Willard"],
                                                                                           "gender":["Female"],
                                                  "first_name":["Noell"],
   "last_name":["Valek"],
                                                                                           "ip_address":["180.66.162.255"],
   "email":["wvalek3@vk.com"],
                                                  "last_name":["Bea"]
   "gender":["Male"],
                                                                                           "_version_":1789913175121985536
    "ip_address":["67.76.188.26"],
                                                  "first_name":["Willard"],
                                                                                         }]
    "_version_":1789913175123034112
                                                  "last_name":["Valek"]
                                                                                       }
 }]
```