

CONSULTING
enpit

SESSION 3

VISUALISIERUNG VON DATEN

AGENDA

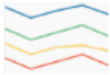
1. Überblick Diagramme
2. Bar Chart
3. List View
4. Hands-On #3 : List View, Balkendiagramm, + Bonus

JET CHART COMPONENTS

Area



Line



Bar



Bubble



Line with Area



Combination



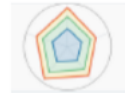
Funnel



Pie



Polar



Stock



Range



Scatter



Spark



Rating



Status Meter



Diagram



Legend



NBox



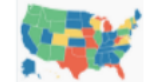
Sunburst



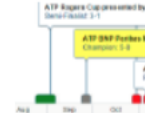
Tag Cloud



Thematic Map



Timeline



Treemap



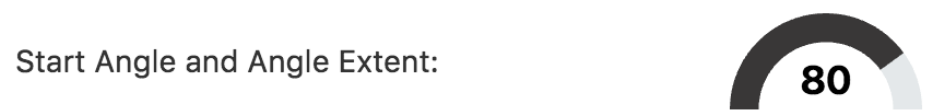
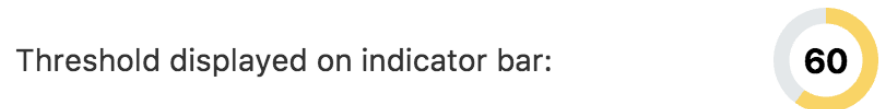
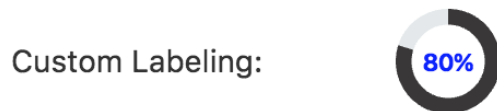
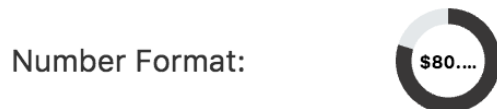
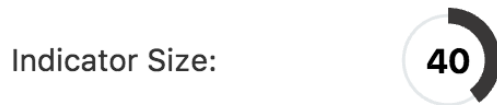
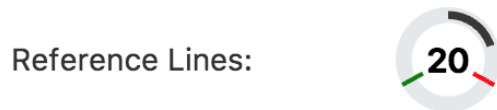
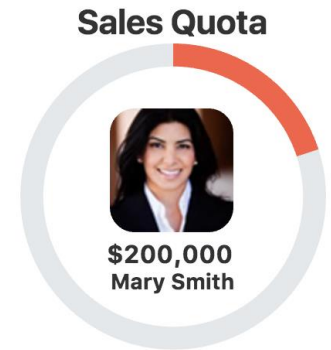
Dial



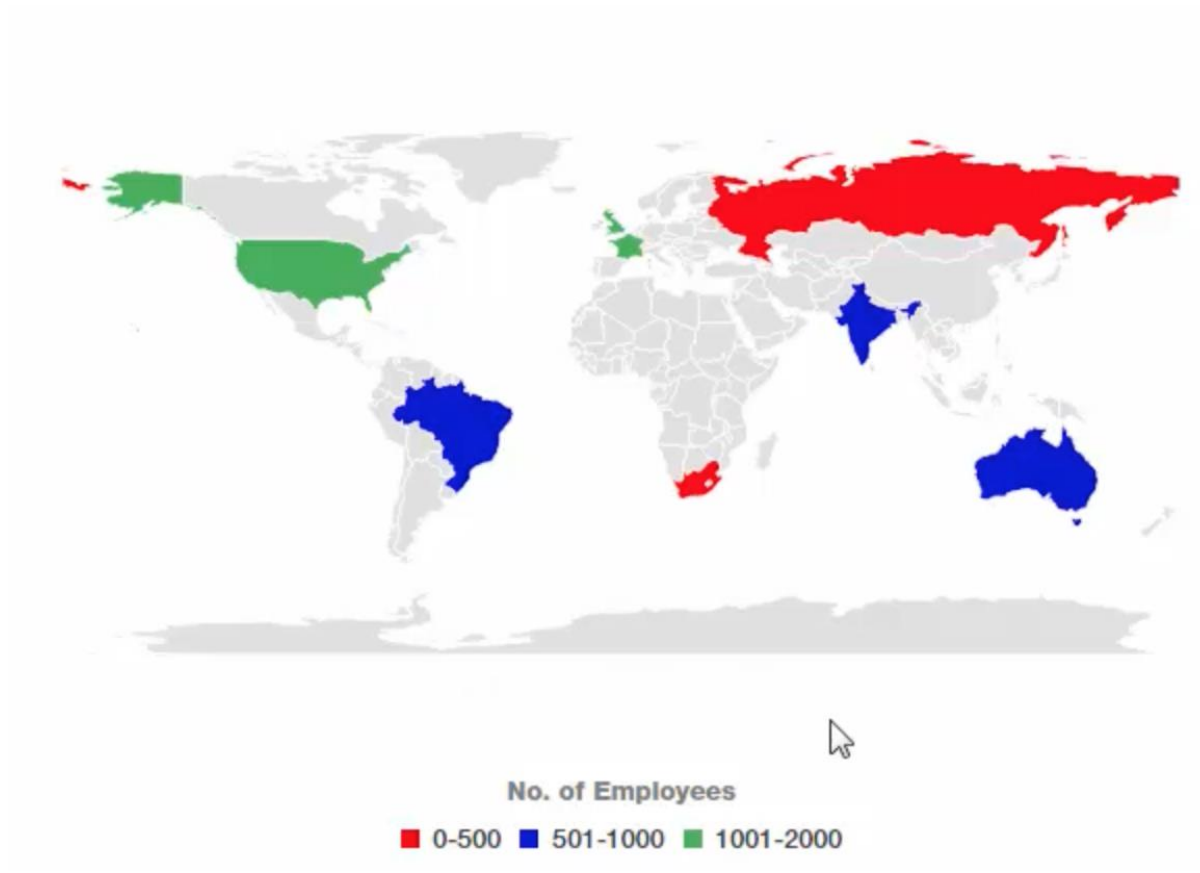
LED



STATUS METER GAUGE

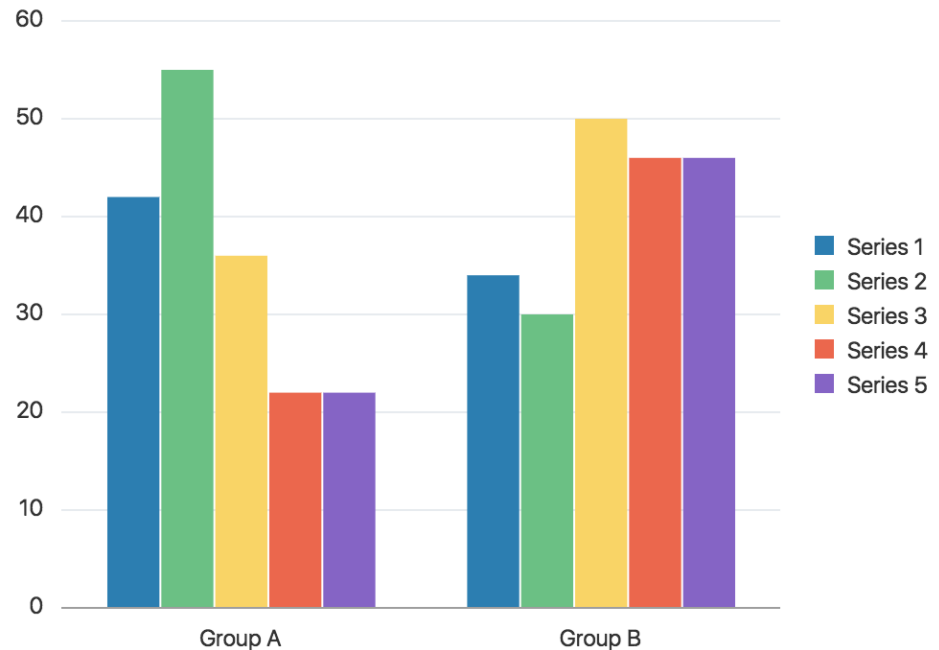


THEMATIC MAPS



BAR CHART

- horizontal / vertical
- Stacked
- Multiselectable



<http://www.oracle.com/webfolder/technetwork/jet/jetCookbook.html?component=barChart&demo=selection>

DATA TO VISUALIZATION

```
// Series
self.albums = ko.observableArray([])
self.albums.push({
    id: 1,
    name: "X",
    items: [80] // Popularity
});

self.selectedAlbums = ko.observableArray([])
    .publishOn('selectedAlbums');
self.selectedAlbums.subscribe(function () {
    oj.Router.rootInstance.go('album');
});
```


VISUALIZE AS BAR CHART

```
<div id="artistChart" data-bind="ojComponent: {  
    component: 'ojChart',  
    type: 'bar',  
    series: albums,  
    groups: ['Popularity'],  
    selectionMode: 'single',  
    selection: selectedAlbums,  
    ....  
}"  
    style="max-width:500px;width:100%;height:350px;">  
</div>
```

LIST VIEW – VIEWMODEL

```
self.artists = ko.observableArray([])
self.artists.push({name: "X", popularity: 8, id:"1"})
self.artists.push({name: "XY", popularity: 10, id:"2"})

self.dataSource = new oj.ArrayTableDataSource(
    self.artists, {idAttribute: "id"});

self.selectArtist = function(..) {

}
```

LIST VIEW – OJLISTVIEW

```
<UL... component: 'ojListView',
```

```
  data: dataSource,
```

```
  item: {template: 'artist-template'} ... >
```



Christopher Jackson

LI



Michael Jackson

LI



Alan Jackson

LI



The Jackson 5

LI

```
<script type="text/html"
  id="artist-template">
  <li >
    <button data-bind="click:
      $parent.selectArtist,
      ojComponent: {
        component: 'ojButton',
        label: name
      }">
      </button>
    </li>
  </script>
```

VERWENDUNG VON HTML-SCRIPT TEMPLATES

- Bei der Verwendung von Templates wird ein eigener Kontext erstellt, d.h. Referenz auf ViewModel per `$parent`
- Referenz auf die Daten des `aktuellen Listenelements` einfach durch Angabe des Attributnamens, z.B.

`data-bind=„text: name“` referenziert

ZUSAMMENFASSUNG CHARTS

- Umfangreiche Visualisierungsmöglichkeiten
- Features, Optionen, Events
- Vollständige Beispiele im Cookbook



Hands On #3

LIST VIEW, BAR CHART

HANDS-ON #3

- [exercises/3_charts](#)
- README öffnen ([Browser](#))

```
$ cd exercises/3_charts
```

```
$ grunt serve
```

- **Optionale Bonusaufgabe**

CONSULTING
enpit