

CONSULTING  
**enpit**

# SESSION 3

## VISUALISIERUNG VON DATEN

# AGENDA

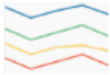
1. Überblick Diagramme
2. Bar Chart
3. List View
4. Hands-On #3 : List View, Balkendiagramm, + Bonus

# JET CHART COMPONENTS

Area



Line



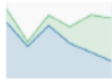
Bar



Bubble



Line with Area



Combination



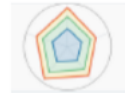
Funnel



Pie



Polar



Stock



Range



Scatter



Spark



Rating



Status Meter



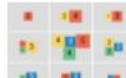
Diagram



Legend



NBox



Sunburst



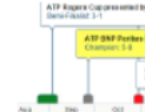
Tag Cloud



Thematic Map



Timeline



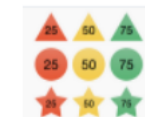
Treemap



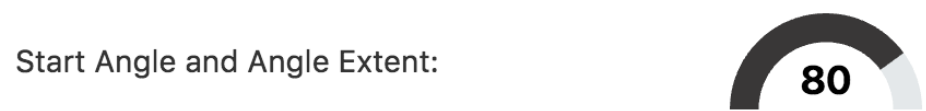
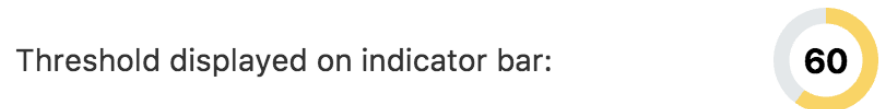
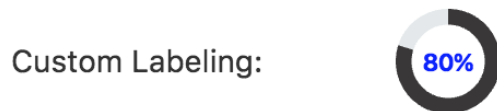
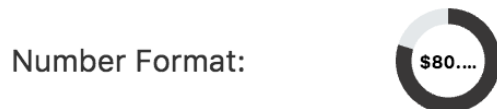
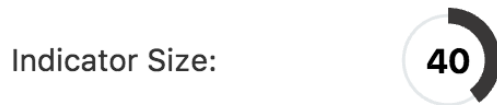
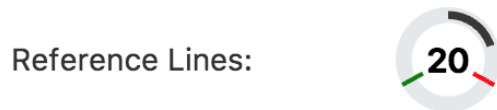
Dial



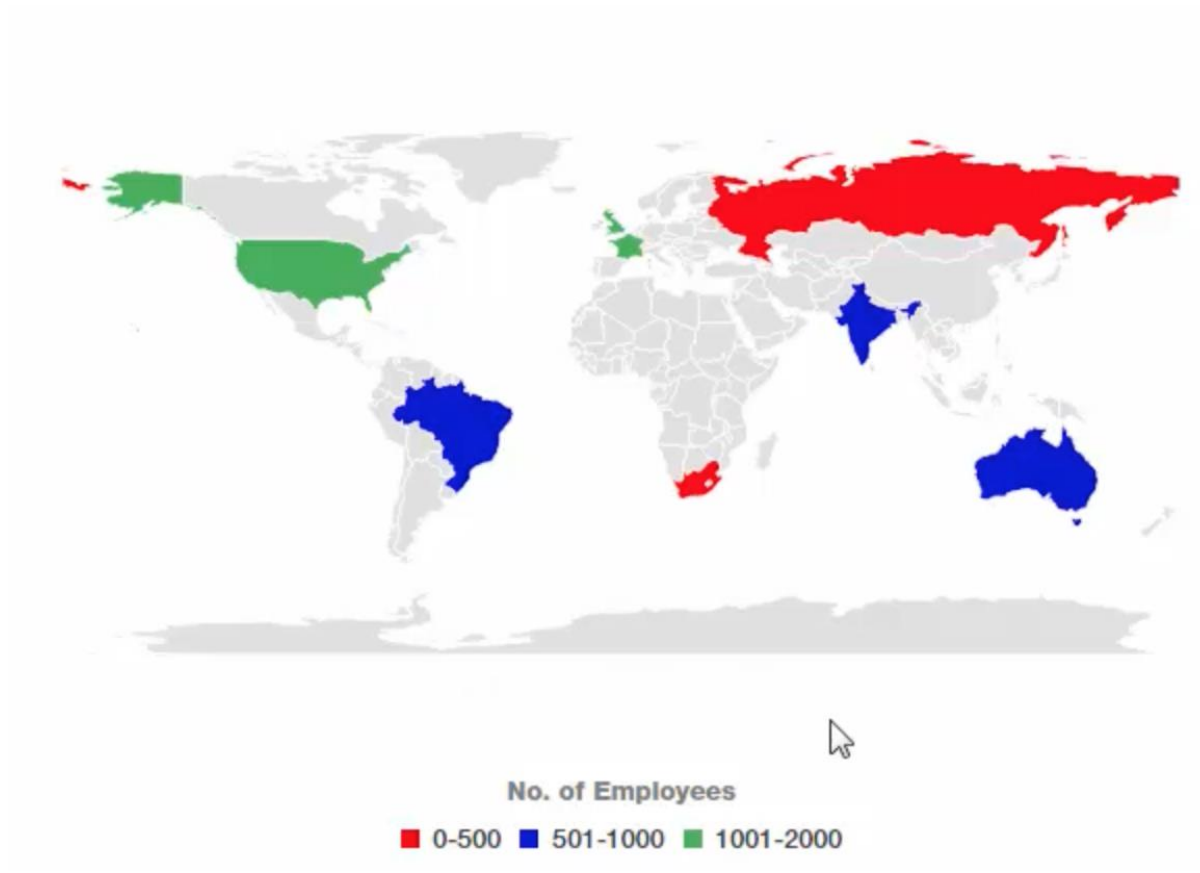
LED



# STATUS METER GAUGE

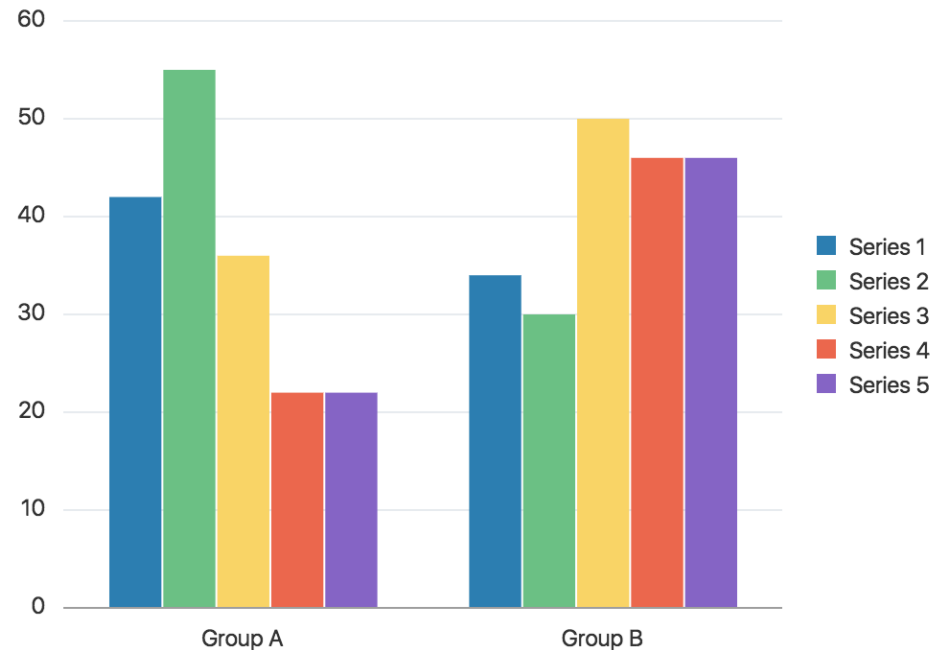


# THEMATIC MAPS



# 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 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**

**HABEN SIE NOCH FRAGEN?**



**VIELEN DANK FÜR IHRE  
AUFMERKSAMKEIT**

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