

QuickApp Training

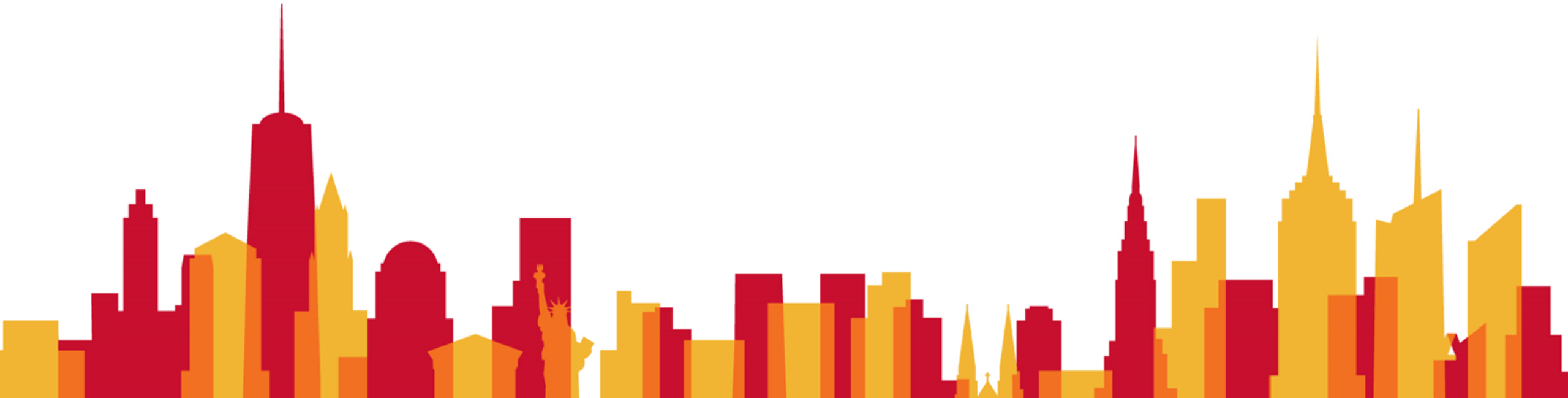
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TOTODATA

INSIGHT

SUMMIT



Agenda

- ◆ Intro to Advanced QA's/Demos
- ◆ Advanced Widgets
- ◆ Advanced Layouts
- ◆ Charting/Mapping
- ◆ Control Layer [<do>]
- ◆ Put it all together!
- ◆ Other Advanced Topics, Tips and Tricks, Styling QuickApps

Demos

- ◆ Executive Dashboard
- ◆ Brand Entry
- ◆ Mapping

Advanced Widgets (Sorter Widget)

- ❖ Value_="@not_selected"
- ❖ Tovalue_="@group_by"

```
<dynamic not_selected="" group_by="zipcode,date,snow">  
  <widget class_"sorter" value_="@not_selected"  
  tovalue_="@group_by">  
    <table cols="name,label">  
      zipcode,Zip Code;date,Date;rain,Rain;snow,Snow  
    </table>  
  </widget>  
</dynamic>
```



Advanced Widgets (Drillable Grid)

- ❖ `Drillable_=""` Drillable Column name
- ❖ `Drillselector_=""` Name of variable containing drilled column names
- ❖ `Drillvalue_=""` Name of variable containing drilled values

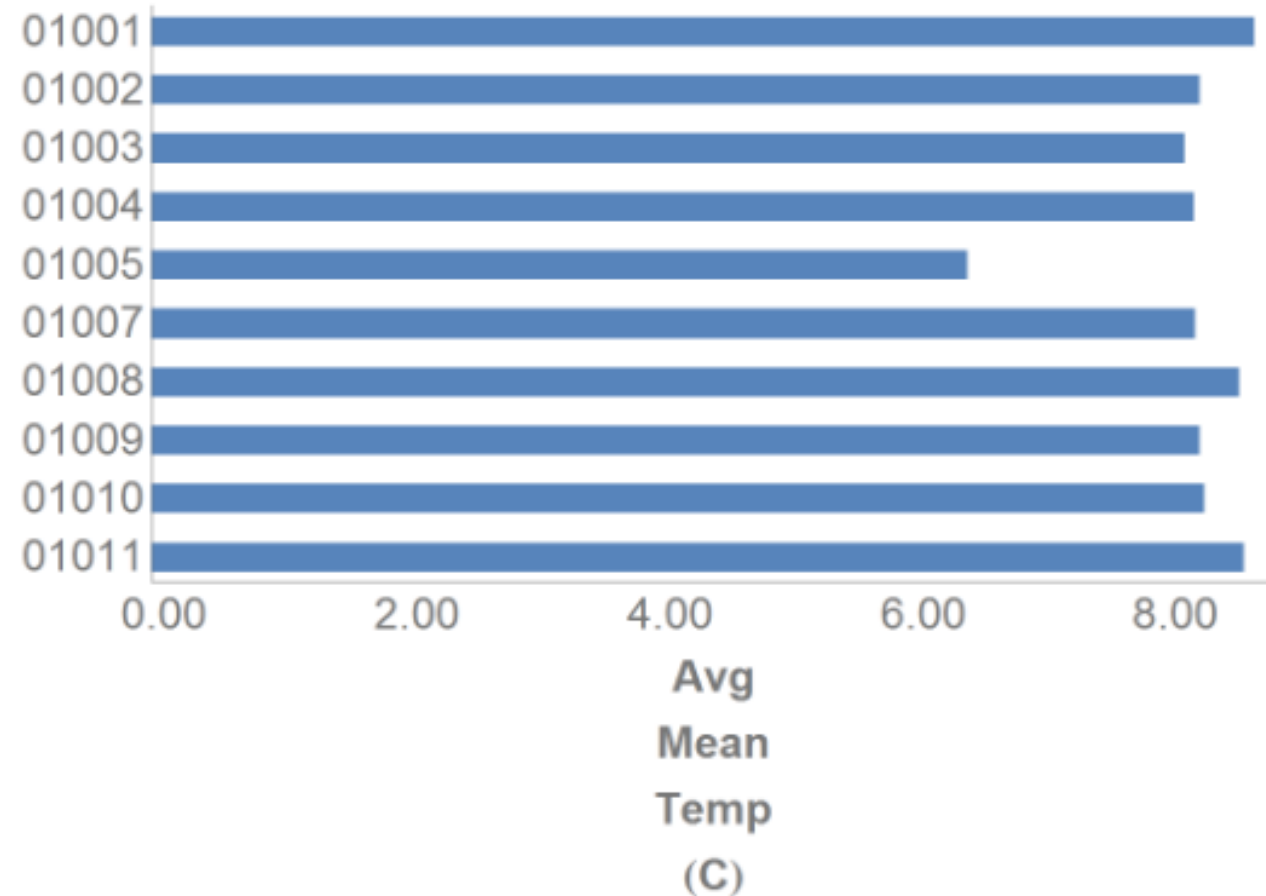
```
<dynamic group_by="zipcode,date,snow" drillcolumns="" drillvalues="">
  <widget class_="grid" drillable_="{csl_pick(@group_by;csl_len(@drillcolumns)+1)}" drillselector_="@drillcolumns"
drillvalue_="@drillvalues">
  <base table="pub.demo.weather.wunderground.observed_daily"/>
  <tabu breaks="{csl_pick(@group_by;csl_len(@drillcolumns)+1)}">
    <tc col fun="avg" source="meantempm" name="avgtemp"/>
  </tabu>
</widget>
</dynamic>
```

* Don't forget a back button *

```
<widget class_="button" type_="set" value1_="@drillcolumns" newvalue1_="{csl_drop(@drillcolumns;-1)}" value2_="@drillvalues"
newvalue2_="{csl_drop(@drillvalues;-1)}" text_="Back"/>
```

Advanced Widgets (Drillable Charting)

```
<widget class_="graphics"
drillable_="{csl_pick(@group_by;csl_len(@drillcolumns)+1)}"
drillselector_="@drillcolumns" drillvalue_="@drillvalues">
  <base table="pub.demo.weather.wunderground.observed_daily"/>
  <tabu breaks="{csl_pick(@group_by;csl_len(@drillcolumns)+1)}"
  <tc col fun="avg" source="meantemp" name="avgtemp"/>
</tabu>
<sort col="{csl_pick(@group_by;csl_len(@drillcolumns)+1)}" dir="up"/>
<sel value="i_()<=10"/>
<graphspeg>
  <chart type="bar" dir="left">
    <data x="{csl_pick(@group_by;csl_len(@drillcolumns)+1)}" y="avgtemp"/>
    <ticks xrot="30"/>
  </chart>
</graphspeg>
</widget>
```



Advanced Widgets (Conditional Formatting)

- ❖ Colstwtbgcolor_=""
- ❖ Colstwtfgcolor_=""
- ❖ Bgcolorforcol_=""
- ❖ Fgcolorforcol_=""

```
<dynamic group_by="zipcode,date,snow" drillcolumns="" drillvalues="">
  <widget class_"grid" drillable_"{csl_pick(@group_by;csl_len(@drillcolumns)+1)}" drillselector_"@drillcolumns"
drillvalue_"@drillvalues" colstwtbgcolor_"avgtemp" bgcolorforcol_"bgcolor" colstwtfgcolor_"avgtemp"
fgcolorforcol_"fgcolor">
  <base table="pub.demo.weather.wunderground.observed_daily"/>
  <tabu breaks="{csl_pick(@group_by;csl_len(@drillcolumns)+1)}">
    <tc col fun="avg" source="meantempm" name="avgtemp"/>
  </tabu>
  <willbe name="bgcolor" value="white"/>
  <willbe name="fgcolor" value="if(between(avgtemp;-20;10);'blue';between(avgtemp;10;15);'orange';'red')"/>
</widget>
</dynamic>
```

Advanced Widgets (Nest Widget)

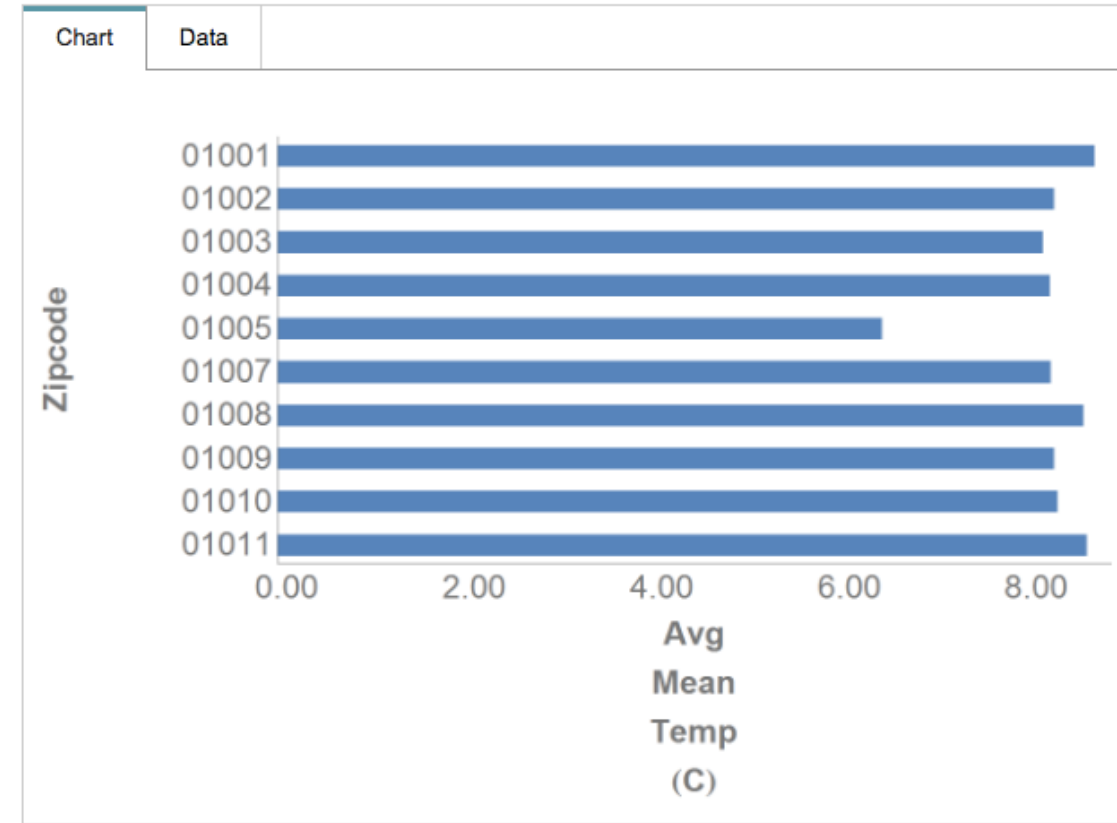
Display your drills

zipcode → date → snow
01001 12/31/69

```
<widget class_="nest">
  <dynamic>
    <layout arrange_="h">
      <for i="1" to="{csl_len(@group_by)}">
        <layout arrange_="v" halign_="center">
          <widget class_="text" text_="{csl_pick(@group_by;@i)}" margin_="0px 0px 0px 8"/>
          <widget class_="text" text_="{csl_pick(@drillvalues;@i)}" margin_="0px 0px 0px 8" require_="{@i<=csl_len(@drillcolumns)}" invmode_="hide"/>
        </layout>
        <widget class_="image" url_="http://www2.1010data.com/custom/demo/images/tealarrow.png" width_="25" margin_="4px 0px 0px 0"
require_="{@i<csl_len(@group_by)}" invmode_="hide"/>
      </for>
    </layout>
  </dynamic>
</widget>
```


Advanced Layouts – Splitter/Tabpanel/Accordion

```
<layout type_="tabpanel" margin_="10px 0px 0px 0">  
  <layout label_="Chart">  
    <widget class_="graphics"/>  
  </layout>  
  <layout label_="Data">  
    <widget class_="grid"/>  
  </layout>  
</layout>
```



Advanced Layouts - Custom Backgrounds

```
<layout background_="#42B4E6">  
  <widget class_="text" text_="Text" style_="color:white"/>  
</layout>
```



```
<layout  
background_="url(http://cdn7.staztic.com/app/a/2570/2570  
839/background-hd-wallpaper-2-2-s-307x512.jpg)"  
width_="240" height_="200">  
  <widget class_="text" text_="Text" style_="color:white"/>  
</layout>
```



Control Layer [<do/>]

Smart drilling

```
<do onchange="@group_by">
  <set index=""/>
  <for i="1" to="{csl_len(@group_by)}">
    <if test="{csl_pick(@group_by;@i)<>csl_pick(@cur;@i) | (@i>csl_len(@cur) &
@index=na)}">
      <set index="{@index}{if(@index=na;',';')}{@i}"/>
    </if>
  </for>
  <set drillcolumns="{csl_take(@drillcolumns;int(csl_pick(@index;1))-1)}"/>
  <set drillvalues="{csl_take(@drillvalues;int(csl_pick(@index;1))-1)}"/>
  <set cur="{@group_by}"/>
  <set show="1"/>
</do>
```


Styling Tips

- ❖ Use the render tag inside your dynamic tag
 - ❖ `<render theme_="silver"/>`
- ❖ Try to avoid abspos, relpos
- ❖ Design inside out instead of top down. [Choose a background first]
- ❖ Everything has a styling attribute, look at the documentation
- ❖ Ask for help from an analyst!