Ea-LWB Advanced Training Raimonds Simanovskis & Zane Baranovska



Raimonds Simanovskis

"Probably the first eazyBl user"





Zane Baranovska

"Start simple and then dig deeper."

Agenda (13:00 - 16:00)

- Advanced settings for additional custom field types
- Import from other data sources
- Calculated member formulas (MDX)



Custom fields

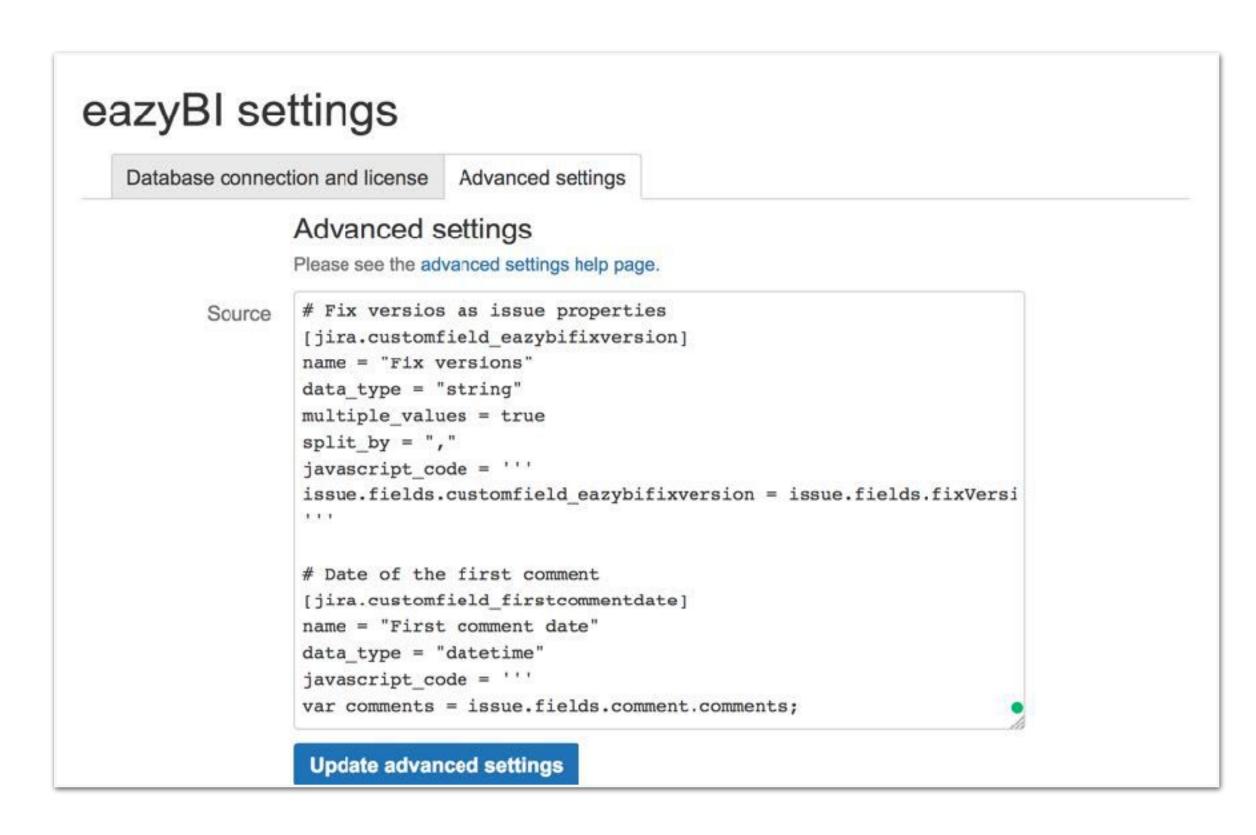
Settings

Jira Misc

JavaScript

Advanced settings for custom fields

https://docs.eazybi.com/display/EAZYBIJIRA/ Advanced+settings+for+custom+fields



Custom fields

Settings

Jira Misc

JavaScript

Jira Misc calculated custom fields

https://docs.eazybi.com/display/EAZYBIJIRA/ JIRA+Misc+Custom+Fields

Custom fields

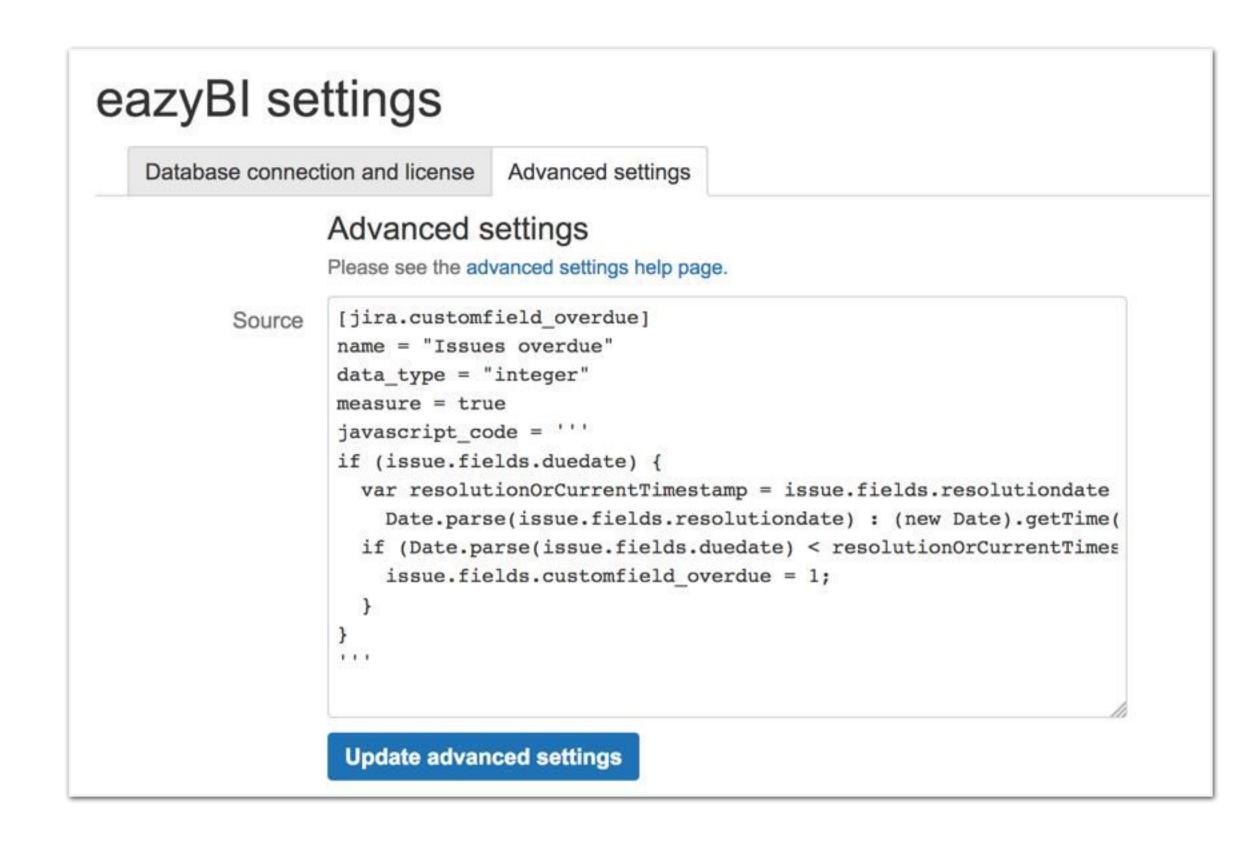
Settings

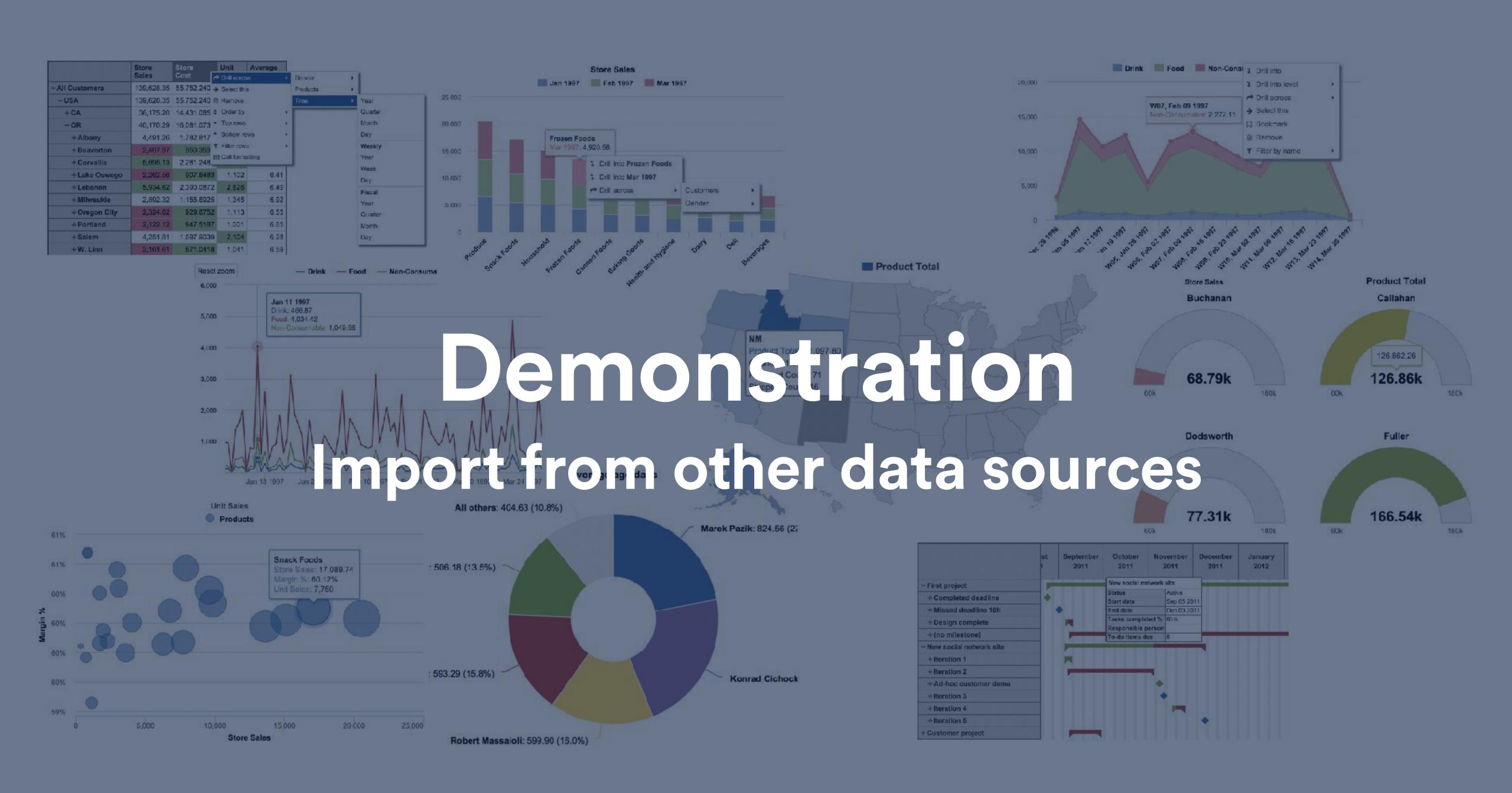
Jira Misc

JavaScript

JavaScript calculated custom fields

https://docs.eazybi.com/display/EAZYBIJIRA/ JavaScript+calculated+custom+fields





Source data

Mapping

Properties

Measures

Source data for additional data import into Jira cube

https://docs.eazybi.com/display/EAZYBIJIRA/ Additional+data+import+into+Jira+lssues+cube





SQL







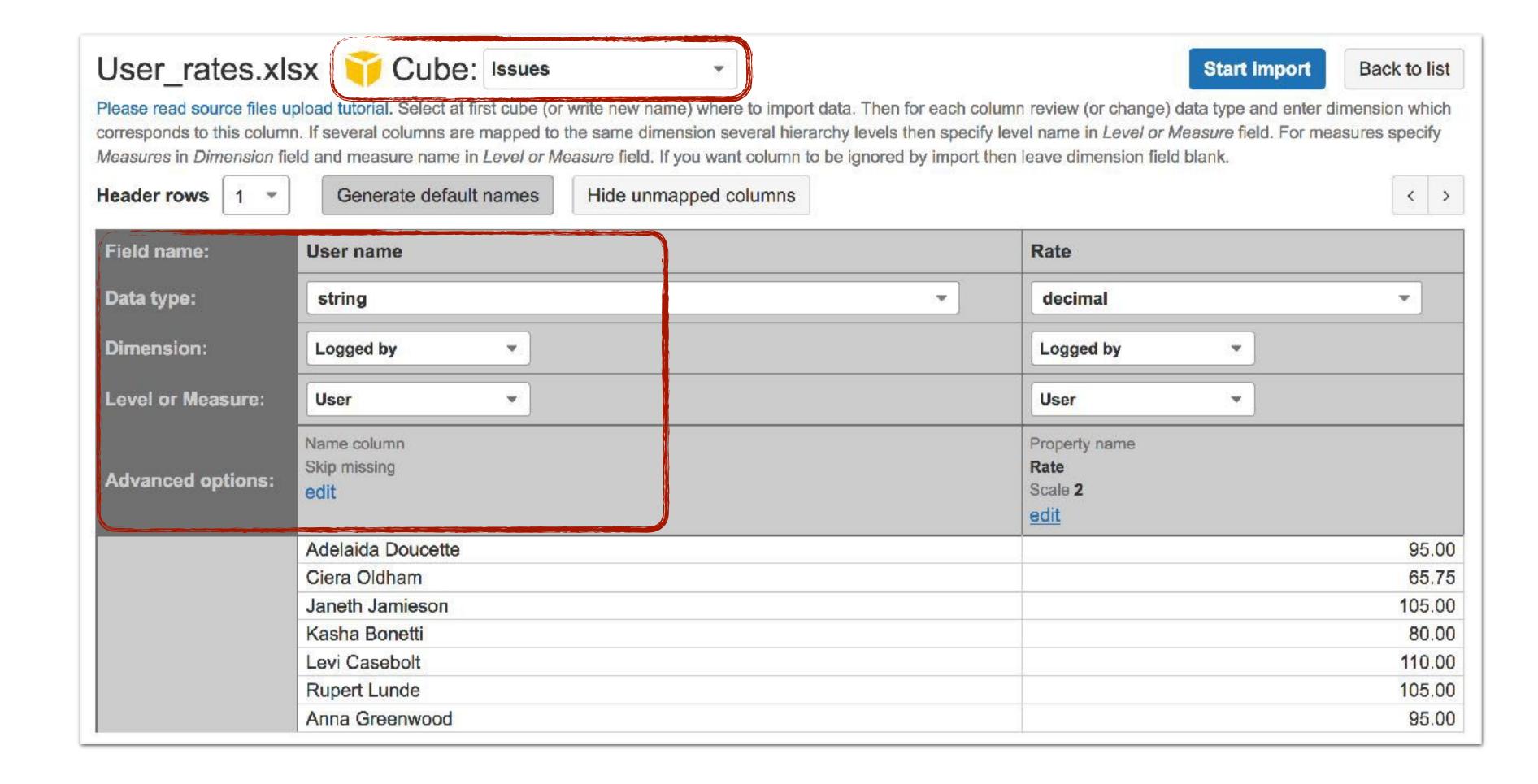
Source data

Mapping

Properties

Measures

Mapping to existing Dimensions



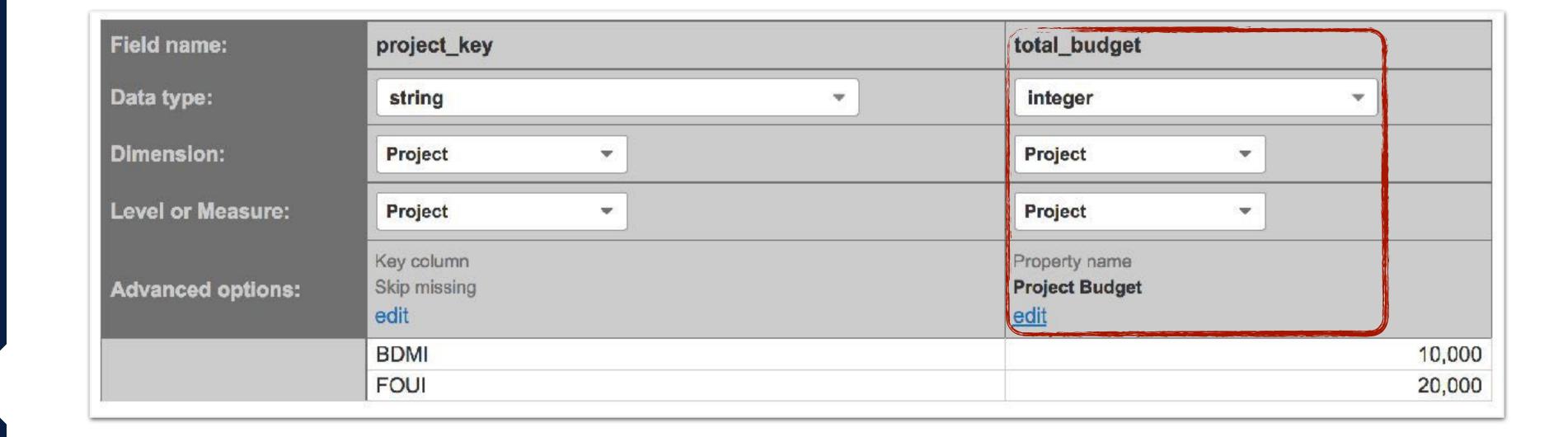
Source data

Mapping

Properties

Measures

Import data as Properties



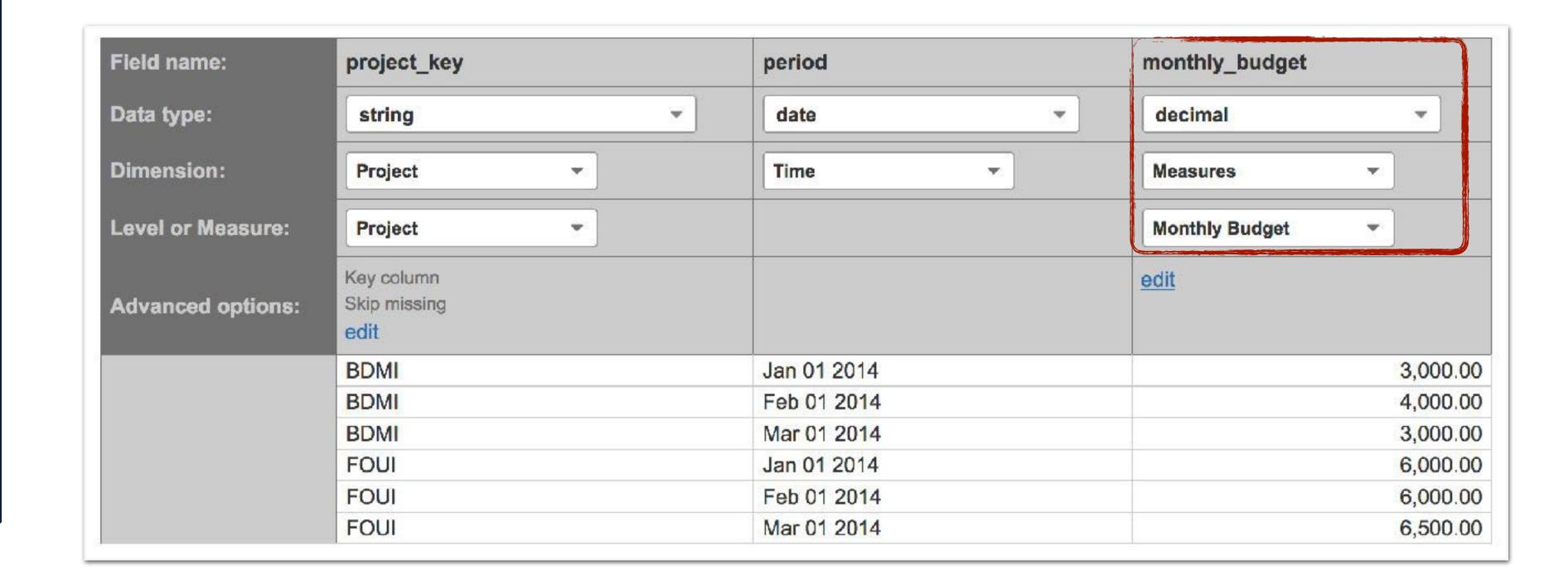
Source data

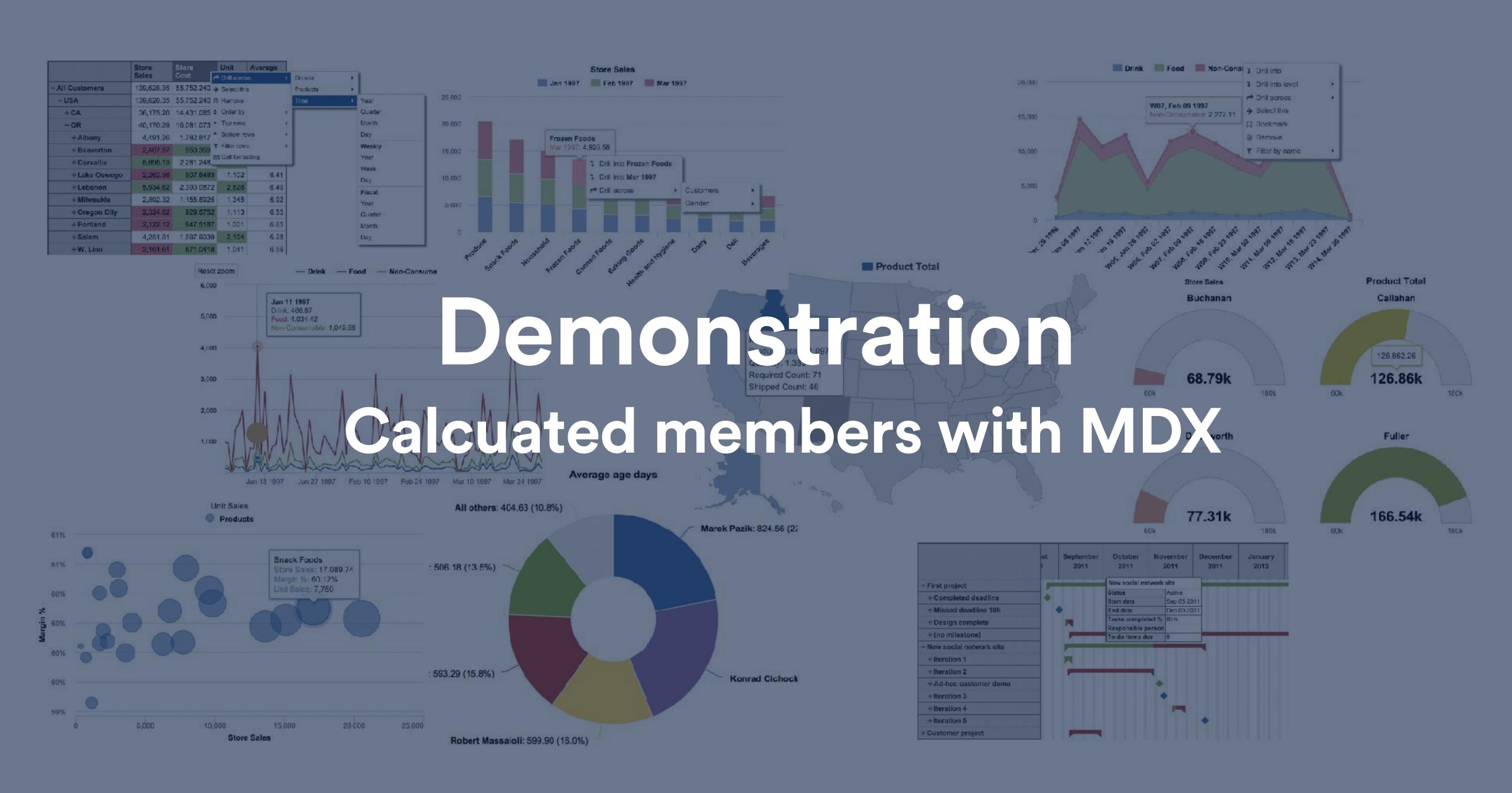
Mapping

Properties

Measures

Import data as Measures





MDX

In Measures

In Dimensions

MDX language

Introduction to calculated members

https://docs.eazybi.com/display/EAZYBI/Calculated+members

MDX function references

https://docs.eazybi.com/display/EAZYBI/MDX+Function+Reference

eazyBl Demo account

https://eazybi.com/accounts/1000/cubes

MDX

In Measures

In Dimensions

Issues change

[Measures].[Issues created]

[Measures].[Issues resolved]

MDX

In Measures

In Dimensions

Issues created from total %

```
[Measures].[Issues created]
/
([Measures].[Issues created],
[Time].CurrentHierarchy.DefaultMember)
```

MDX

In Measures

In Dimensions

Issues created from parent %

```
CASE WHEN [Time].CurrentHierarchyMember IS [Time].CurrentHierarchy.DefaultMember THEN 1
ELSE [Measures].[Issues created] / ([Measures].[Issues created], [Time].CurrentHierarchyMember.Parent)
END
```

MDX

In Measures

In Dimensions

Bugs created

```
([Measures].[Issues created],
[Issue Type].[Bug])
```

MDX

In Measures

In Dimensions

Bugs created %

```
[Measures].[Bugs created]
/
[Measures].[Issues created]
```

MDX

In Measures

In Dimensions

Issues created in previous period

```
([Measures].[Issues created],
[Time].CurrentHierarchyMember.PrevMember)
```

MDX

In Measures

In Dimensions

Issues created change %

```
CASE WHEN
  [Measures].[Issues created in previous period] > 0
THEN
  ([Measures].[Issues created] -
     [Measures].[Issues created in previous period])
  /
  [Measures].[Issues created in previous period]
END
```

MDX

In Measures

In Dimensions

Cumulative issues created

```
Sum(
{
    PreviousPeriods([Time].CurrentHierarchyMember),
    [Time].CurrentHierarchyMember
},
    [Measures].[Issues created]
)
```

MDX

In Measures

In Dimensions

Cumulative issues resolved

```
CASE WHEN
  [Measures].[Issues resolved] > 0
THEN
  Sum(
    { PreviousPeriods([Time].CurrentHierarchyMember),
      [Time].CurrentHierarchyMember },
      [Measures].[Issues resolved]
  )
END
```

MDX

In Measures

In Dimensions

Cumulative issues resolved trend

```
LinRegPoint(
-- output x
 DateToTimestamp([Time].CurrentHierarchyMember.StartDate),
-- input period
 Filter(
  [Time].CurrentHierarchyMember.Level.Members,
  DateBetween([Time].CurrentHierarchyMember.StartDate,
   '3 months ago', 'today')
-- input y
 [Measures].[Cumulative issues resolved],
-- input x
DateToTimestamp([Time].CurrentHierarchyMember.StartDate)
```

MDX

In Measures

In Dimensions

Average issues created in last 3 months

```
Avg(
LastPeriods(3, [Time].CurrentHierarchyMember),
[Measures].[Issues created]
)
```

MDX

In Measures

In Dimensions

Hours cost

```
Sum(
Descendants(
[Logged by].CurrentMember, [Logged by].[User]),
[Measures].[Hours spent] *
[Logged by].CurrentMember.get('Rate')
)
```

MDX

In Measures

In Dimensions

Status Open or In Progress

```
Aggregate({
    [Transition Status].[Open],
    [Transition Status].[In Progress]
})
```

MDX

In Measures

In Dimensions

Reverted transition statuses

```
Aggregate(
Filter(
[Transition Status].[Transition Status].Members,
[Transition Status].CurrentMember.Name
MATCHES 'Re.*'
)
```

MDX

In Measures

In Dimensions

Not Reverted transition statuses

```
Aggregate(
Filter(
[Transition Status].[Transition Status].Members,
NOT [Transition Status].CurrentMember.Name
MATCHES 'Re.*'
)
```

MDX

In Measures

In Dimensions

All transition statuses except Canceled

```
Aggregate({
    Except(
        [Transition Status].[Transition Status].Members,
        -- set of exceptions
        { [Transition Status].[Canceled] }
    )
})
```

