



NOTES

In this example data package annotation:

- the EML metadata has 1 data file
- the EML has been updated once with a new revision*
- the data table has 3 columns (patient, weight, height)
- there are 2 different users annotating the package

Triples

Original annotation

```
<#data.1.1> ore:isDocumentedBy <#eml.1.1>  
<#data.1.1> dcterms:identifier <data.1.1>  
<#ann.1.1> ao:context <#data.1.1>  
<#data.1.1> rdf:type <ao:XPointerSelector>  
<#data.1.1> ao:xpointer <eml.1.1#xpointer(/eml/dataset/1)>
```

```
<#ann.1.1> prov:createdBy <#user.1>
<#ann.1.1> ao:annotatesResource <#eml.1.1.1>
<#ann.1.1> rdf:type <ao:Qualifier>
```

```
<#ann.1.1> ao:hasTopic <Name>
<#ann.1.1> ao:context <#patient>
<#patient> ao:onResource <#eml.1.1>
<#patient> rdf:type <ao:XPointerSelector>
<#patient> ao:xpointer <eml.1.1#xpointer(/eml/dataset/1/attributeList/1)>
<#patient> rdf:type <oboe-core:Measurement>
<#patient> oboe-core:ofCharacteristic <Name>
<#patient> oboe-core:usesStandard <???
```

```
<#ann.1.1> ao:hasTopic <Mass>
<#ann.1.1> ao:context <#weight>
<#weight> ao:onResource <#eml.1.1>
<#weight> rdf:type <ao:XPointerSelector>
<#weight> ao:xpointer <eml.1.1#xpointer(/eml/dataset/1/attributeList/2)>
<#weight> rdf:type <oboe-core:Measurement>
<#weight> oboe-core:ofCharacteristic <Mass>
<#weight> oboe-core:usesStandard <Gram>
```

```
<#ann.1.1> ao:hasTopic <Length>
<#ann.1.1> ao:context <#height>
<#height> ao:onResource <#eml.1.1>
<#height> rdf:type <ao:XPointerSelector>
<#height> ao:xpointer <eml.1.1#xpointer(/eml/dataset/1/attributeList/3)>
<#height> rdf:type <oboe-core:Measurement>
<#height> oboe-core:ofCharacteristic <Length>
<#height> oboe-core:usesStandard <Meter>
```

More OBOE, etc. as needed

Metadata is revised

```
<#eml.1.1> obsoletedBy <#eml.1.2>
<#data.1.1> ore:isDocumentedBy <#eml.1.2>
if metadata revision was insignificant*, we leave the annotation intact
    <#ann.1.1> ao:annotatesResource <#eml.1.2>
otherwise, we create a new annotation on the resource[s]
    <#ann.2.1> ao:annotatesResource <#eml.1.2>
    <#ann.2.1> ao:hasTopic etc.
```

Alternate annotation (different interpretation of data columns)

```
<#ann.3.1> prov:createdBy <#user.2>
<#ann.3.1> ao:annotatesResource <#eml.1.1.2>
<#ann.3.1> rdf:type <ao:Qualifier>
<#ann.3.1> ao:hasTopic etc.
```

*Not sure how/who determines if the change is significant