

# software assessment

[tudorgirba.com](http://tudorgirba.com)



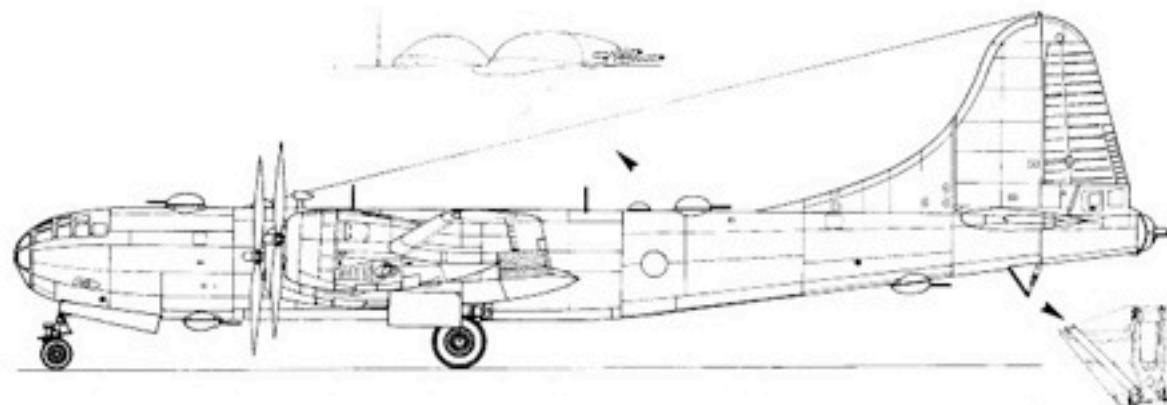
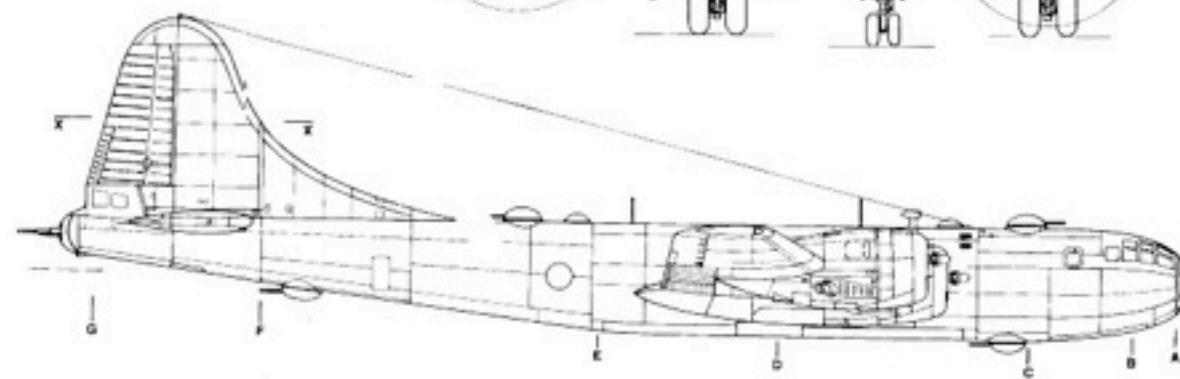
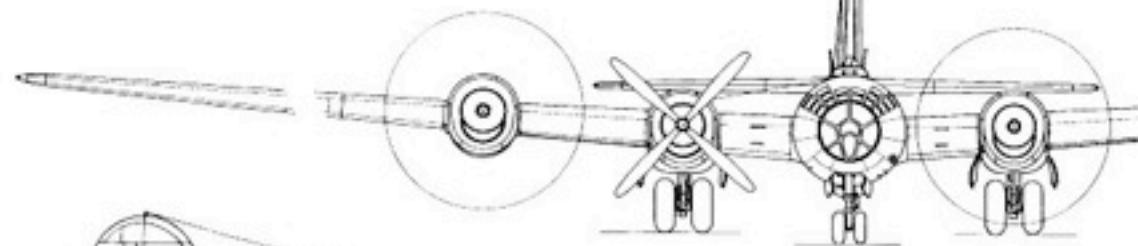
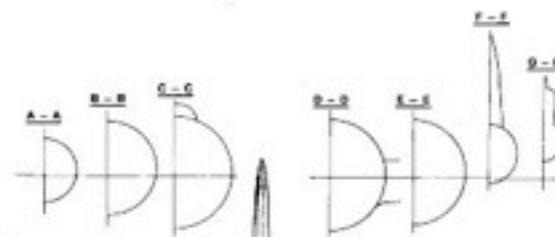
B-29



Tuesday, October 25, 11



Boeing B-29 „Superfortress“





Tuesday, October 25, 11





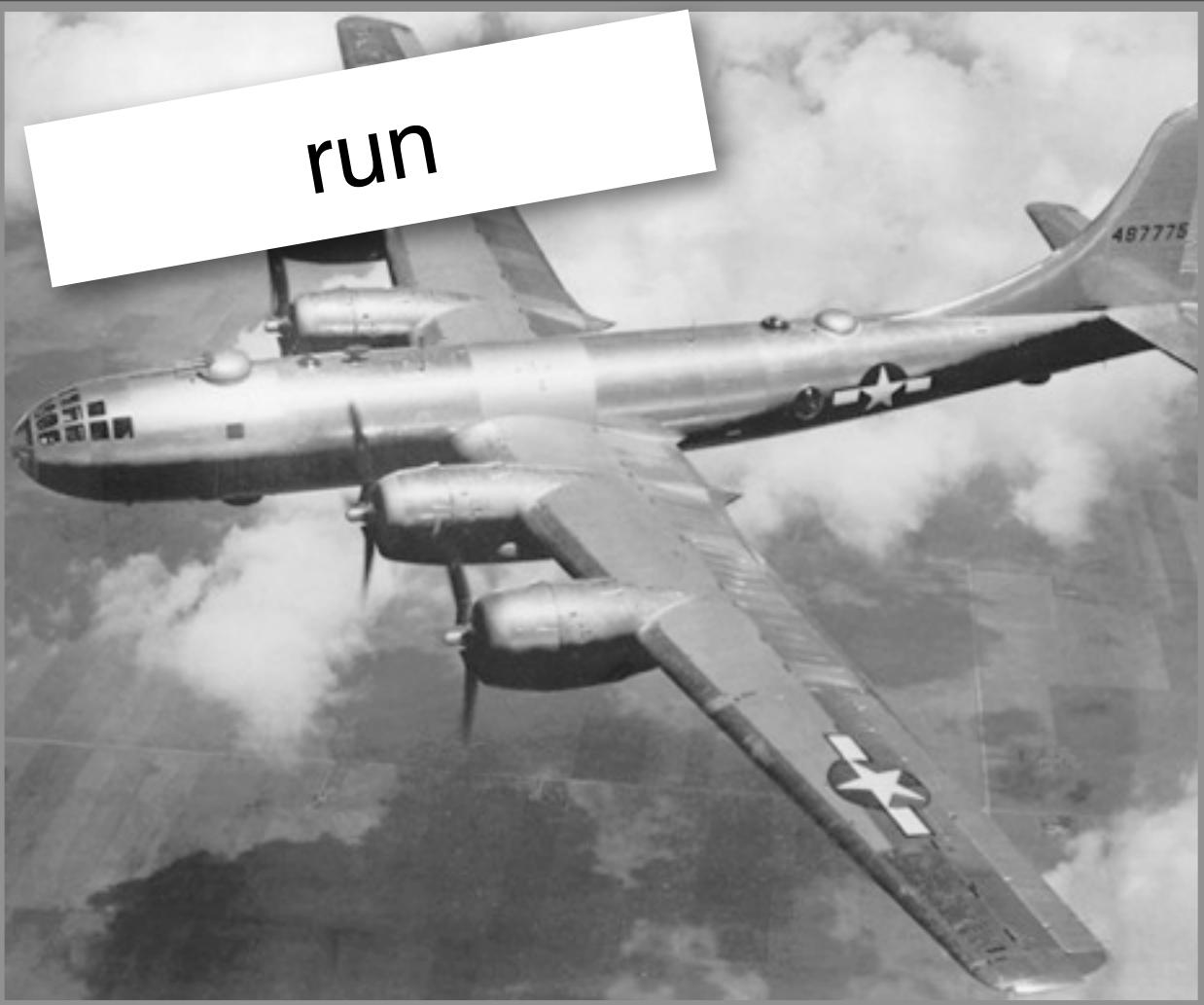
Tuesday, October 25, 11

disassemble





disassemble



run





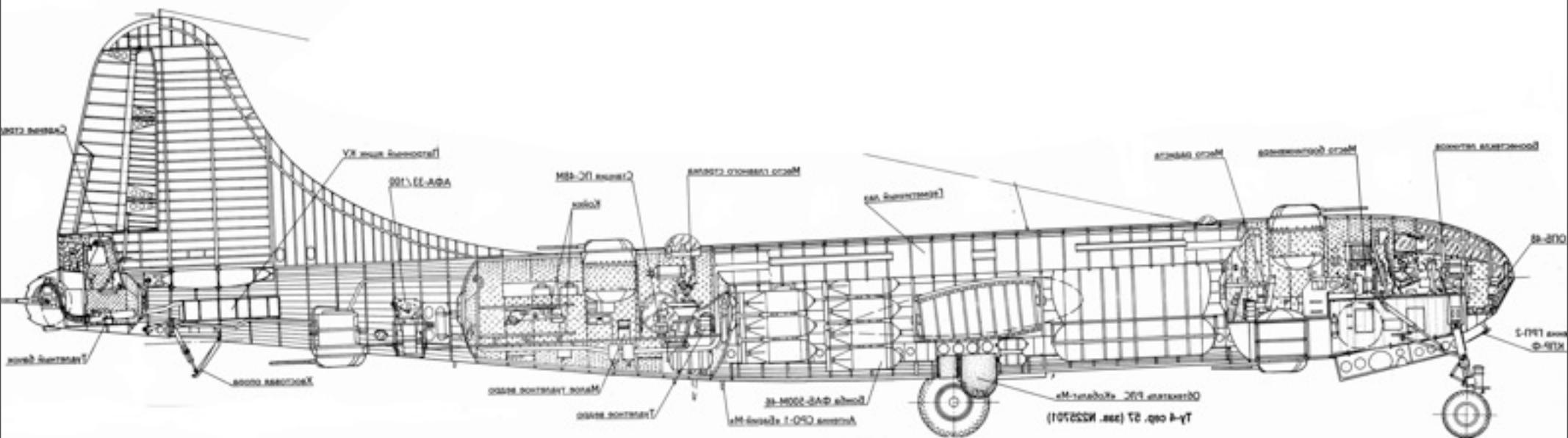
disassemble



run



test and compare

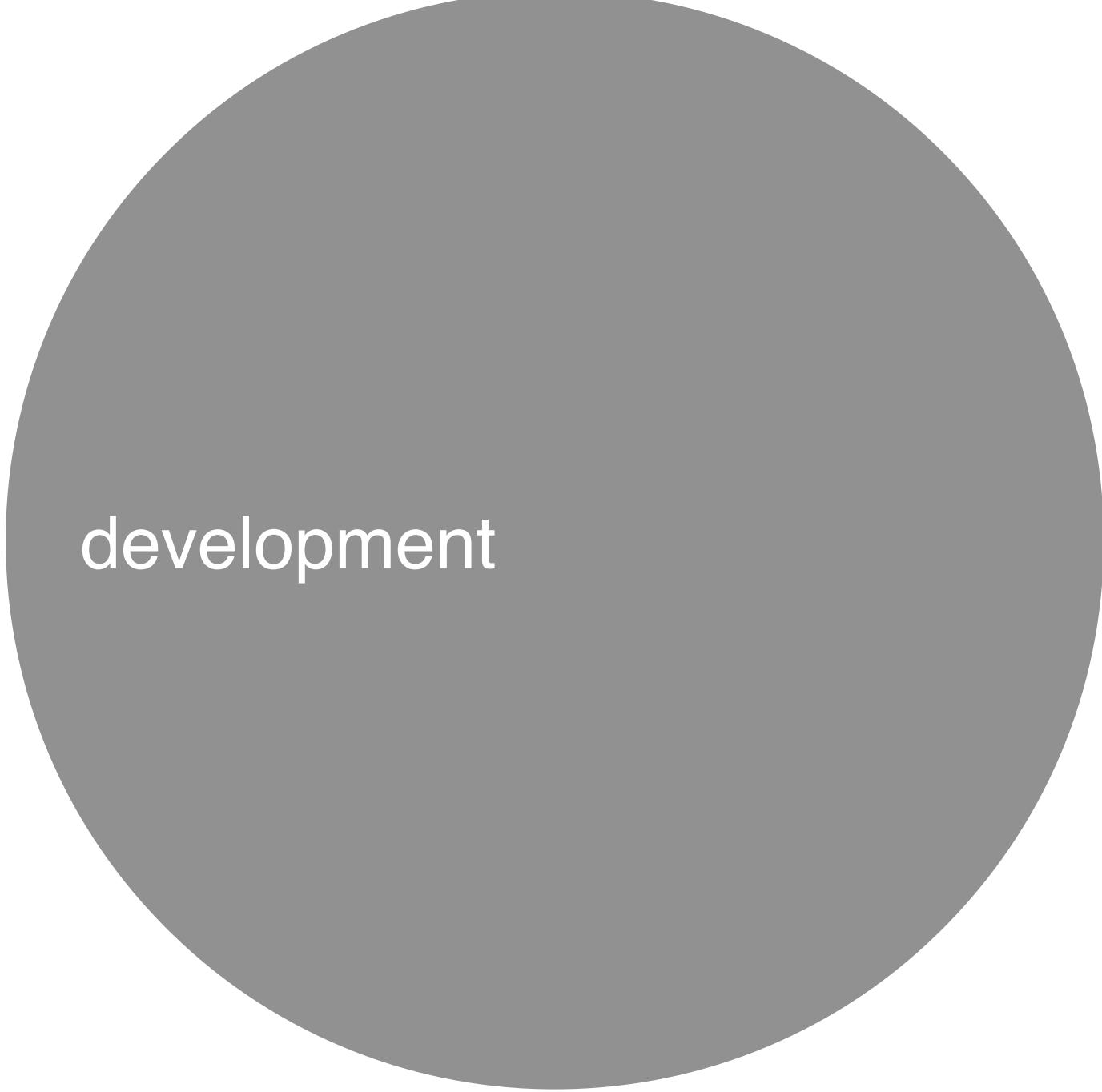


TU-4



# software assessment

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development



<http://www.humane-assessment.com/minibook/assessment-costs>

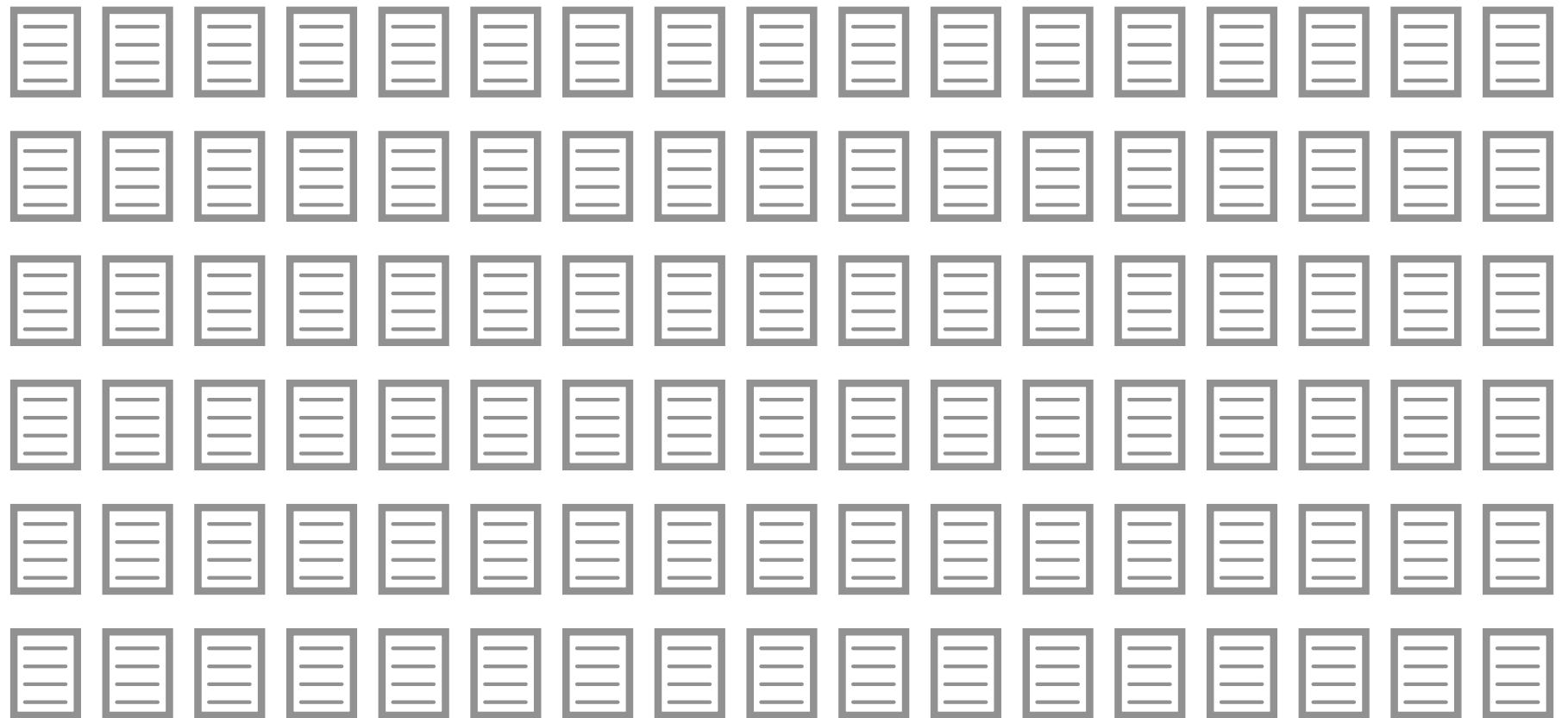
# assessment



data



knowledge





data



knowledge



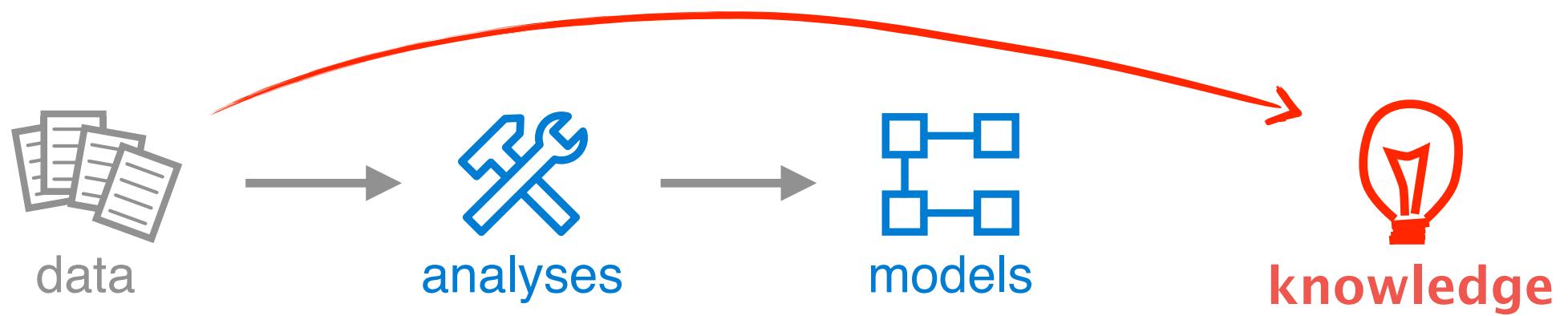
data

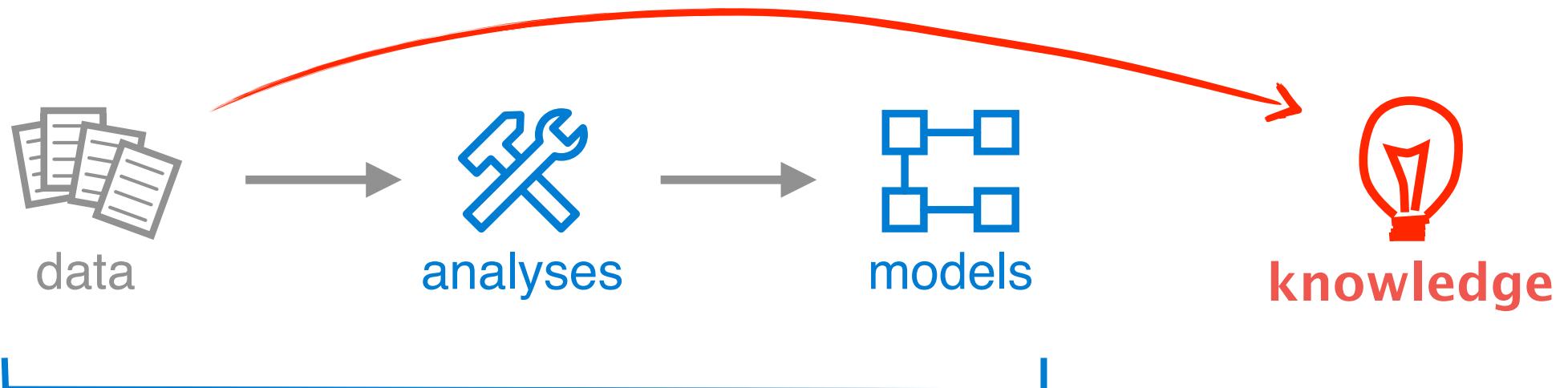


analyses

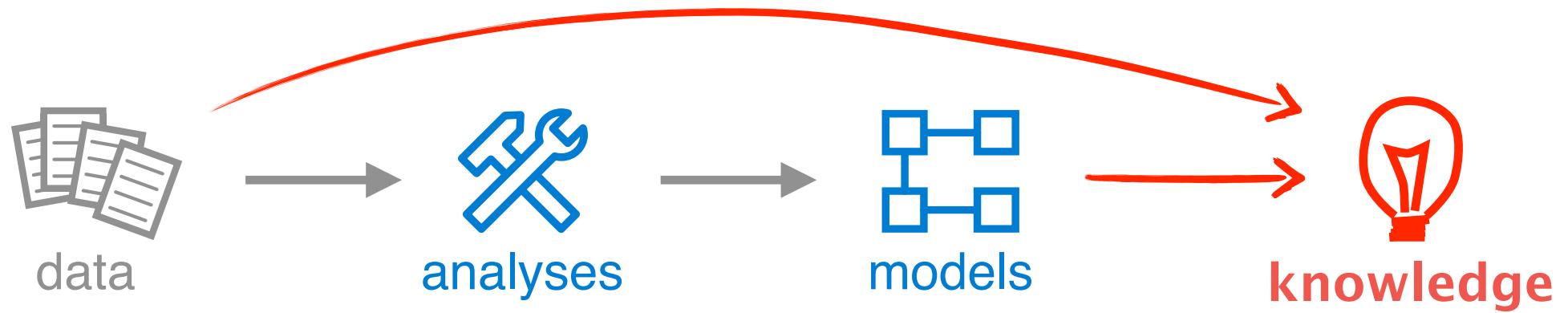


knowledge

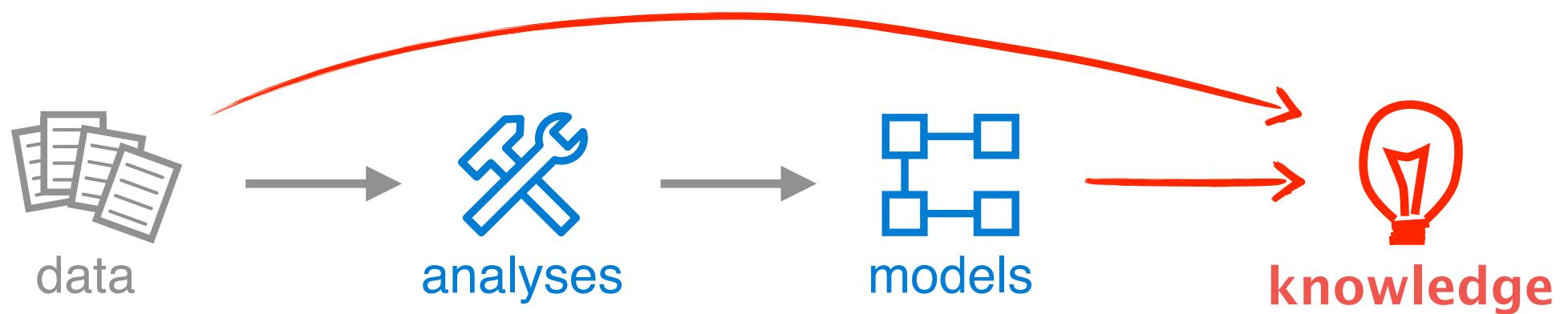




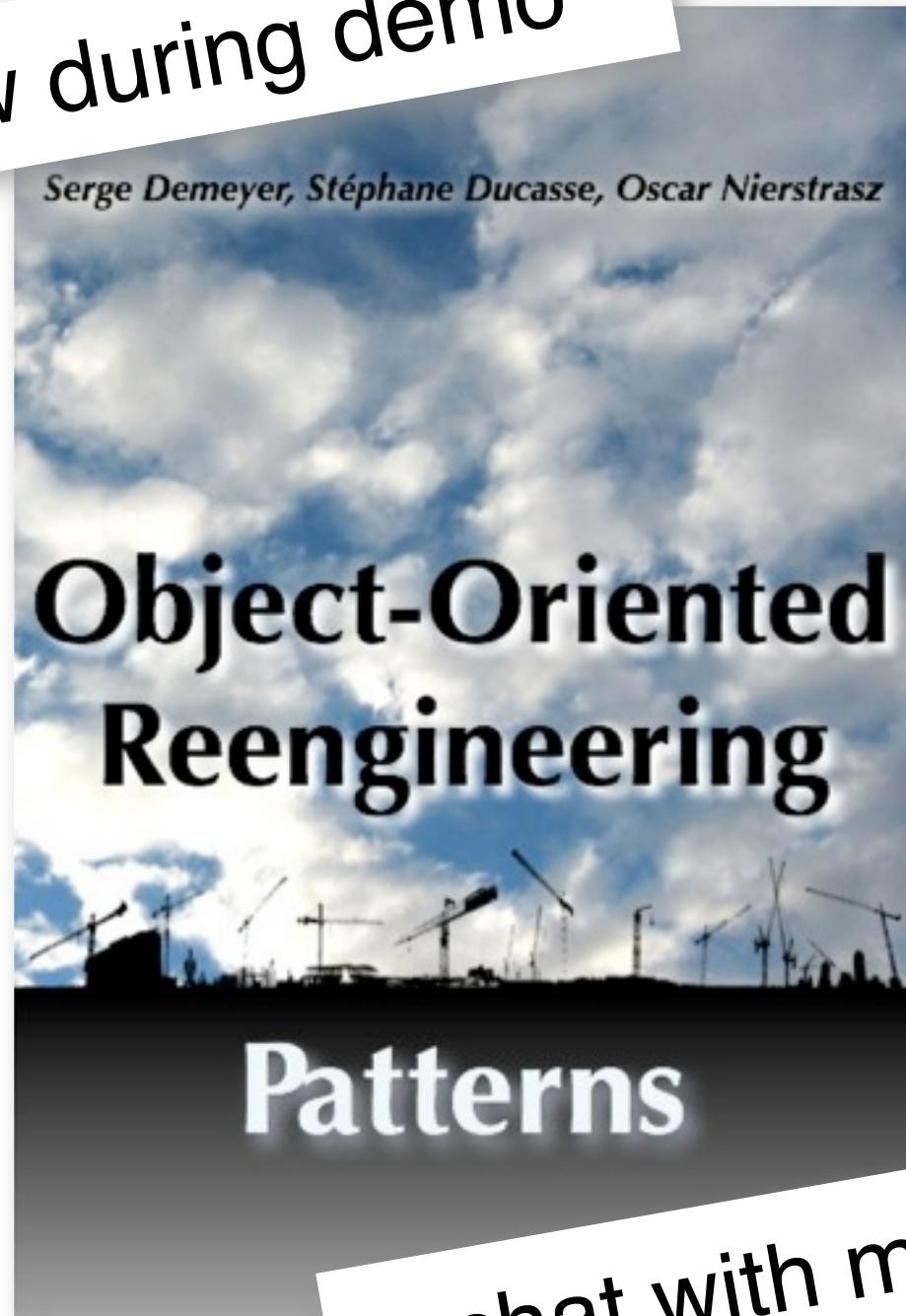
reverse engineering



# assessment



interview during demo



chat with maintainers

**PSYCHOLOGY**

---

**COMPUTER**

**PROGRAMMING**

---

SILVER ANNIVERSARY  
EDITION

DH

---

**GERALD M. WEINBERG**



read all code in one hour

```
/**  
 * We hang our heads in shame. There are still bugs in ArgoUML  
 * and/or GEF that cause corruptions in the model.  
 * Before a save takes place we repair the model in order to  
 * be as certain as possible that the saved file will reload.  
 * TODO: Split into small inner classes for each fix.  
 *  
 * @return A text that explains what is repaired.  
 */
```

## updateTypeAccordingToEntities

*-- ugly code, will change once we move to CollectiveBehavior --"*

```
| common wantedType class |
common := self commonMetaDescription.
wantedType := (common name, 'Group') asSymbol.
self metaDescription name == wantedType ifTrue: [ ^self ].
class := AbstractGroup allSubclasses
    detect: [ :each | each asMetaDescription name == wantedType ]
    ifNone: [ ^self changeTypeToDefaultType ].
self changeTypeTo: class.
```

# blink

*By the author of THE TIPPING POINT*



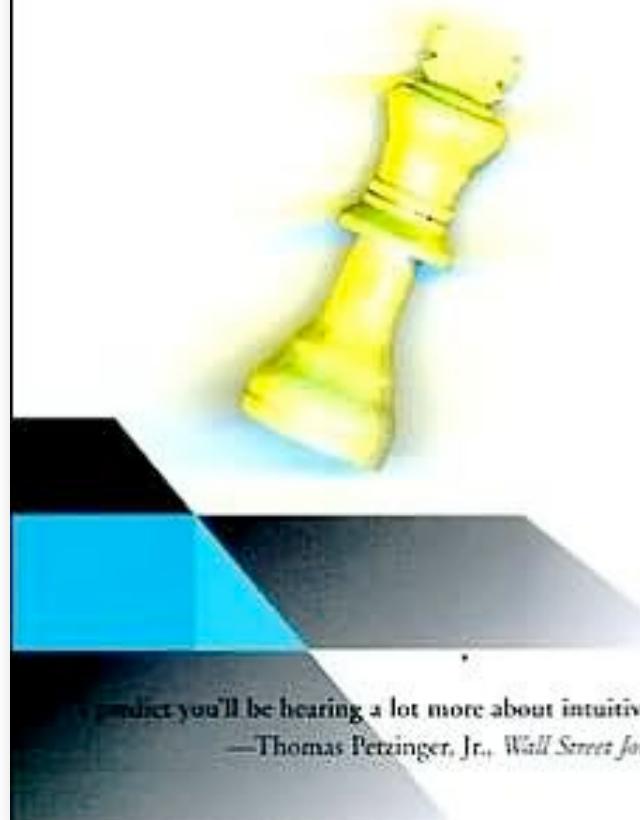
The Power of Thinking  
Without Thinking

Malcolm Gladwell

G A R Y K L E I N

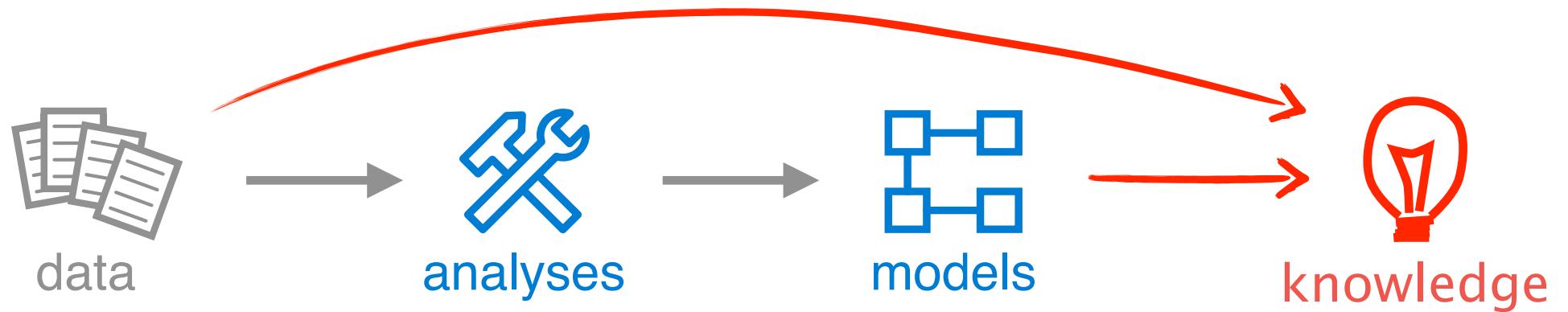
## Sources of Power

*How People Make Decisions*



"...you'll be hearing a lot more about intuitive decision-making."

—Thomas Petzinger, Jr., *Wall Street Journal*



```
public class Library {  
    List books;  
    public Library() {...}  
    public void addBook(Book b) {...}  
    public void removeBook(Book b) {...}  
    private boolean hasBook(Book b) {...}  
    protected List getBooks() {...}  
    protected void setBooks(List books) {...}  
    public boolean equals(...) {...}  
}
```

NOM = ?

```
public class Library {  
    List books;  
    public Library() {...}  
    public void addBook(Book b) {...}  
    public void removeBook(Book b) {...}  
    private boolean hasBook(Book b) {...}  
    protected List getBooks() {...}  
    protected void setBooks(List books) {...}  
    public boolean equals(...) {...}  
}
```

NOM = 7

```
public class Library {  
    List books;  
    public Library() {...}  
    public void addBook(Book b) {...}  
    public void removeBook(Book b) {...}  
    private boolean hasBook(Book b) {...}  
    protected List getBooks() {...}  
    protected void setBooks(List books) {...}  
    public boolean equals(...) {...}  
}
```

NOM = ~~7~~ 6

```
public class Library {  
    List books;  
    public Library() {...}  
    public void addBook(Book b) {...}  
    public void removeBook(Book b) {...}  
    private boolean hasBook(Book b) {...}  
    protected List getBooks() {...}  
    protected void setBooks(List books) {...}  
    public boolean equals(...) {...}  
}
```

NOM = ~~7~~ 8 4

```
public class Library {  
    List books;  
    public Library() {...}  
    public void addBook(Book b) {...}  
    public void removeBook(Book b) {...}  
    private boolean hasBook(Book b) {...}  
    protected List getBooks() {...}  
    protected void setBooks(List books) {...}  
    public boolean equals(...) {...}  
}
```

NOM = ~~7 8 4~~ 3

```
public class Library {  
    List books;  
    public Library() {...}  
    public void addBook(Book b) {...}  
    public void removeBook(Book b) {...}  
    private boolean hasBook(Book b) {...}  
    protected List getBooks() {...}  
    protected void setBooks(List books) {...}  
    public boolean equals(...) {...}  
}
```

NOM = ~~7 8 4 3~~ 2

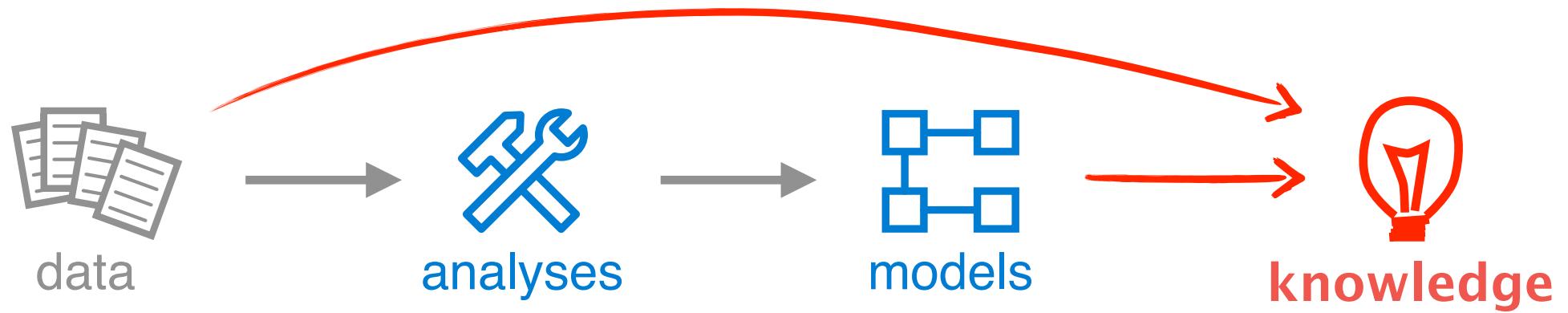
```
public class Library {  
    List books;  
    public Library() {...}  
    public void addBook(Book b) {...}  
    public void removeBook(Book b) {...}  
    private boolean hasBook(Book b) {...}  
    protected List getBooks() {...}  
    protected void setBooks(List books) {...}  
    public boolean equals(...) {...}  
}
```

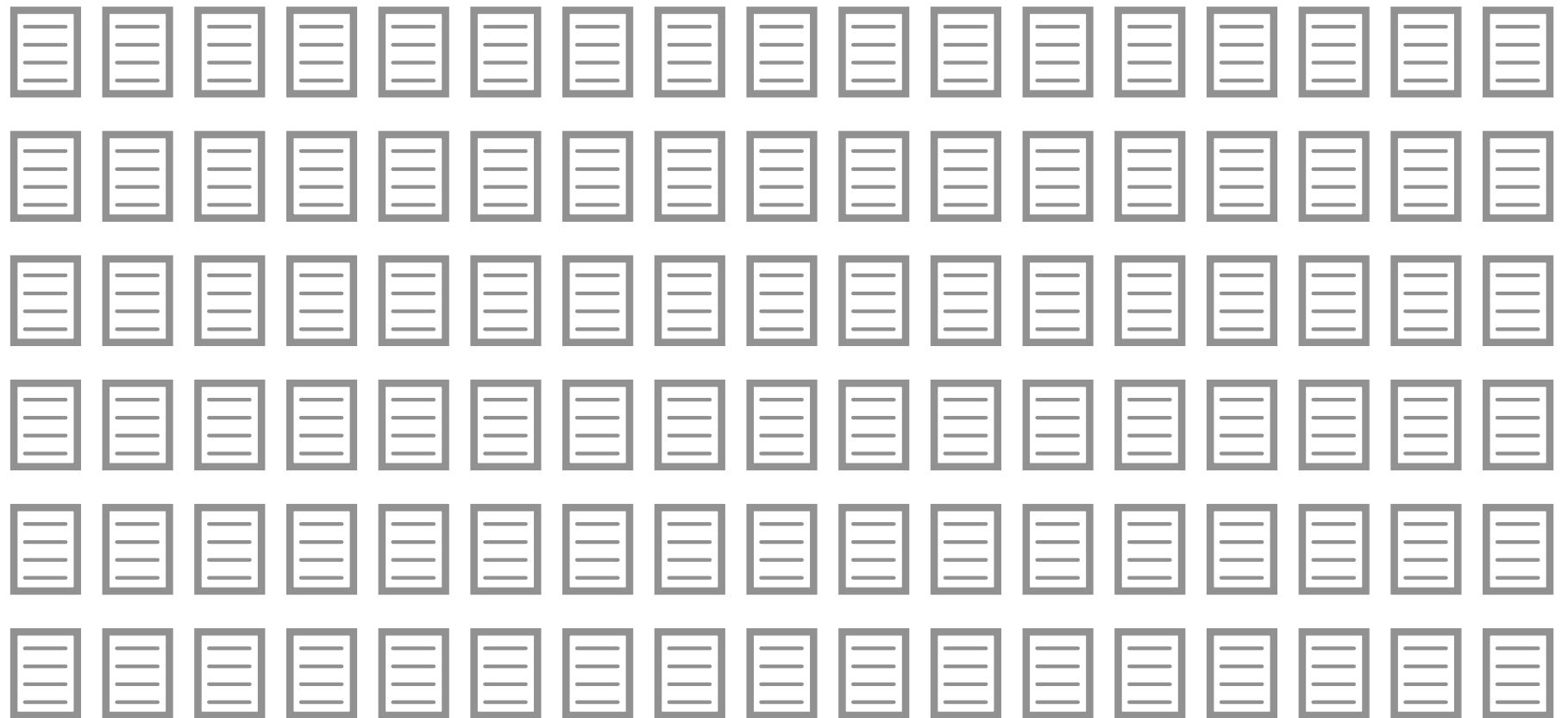
NOM = 7, 6, 4, 3, 2 ?

```
public class Library {  
    List books;  
    public Library() {...}  
    public void addBook(Book b) {...}  
    public void removeBook(Book b) {...}  
    private boolean hasBook(Book b) {...}  
    protected List getBooks() {...}  
    protected void setBooks(List books) {...}  
    public boolean equals(...) {...}  
}
```

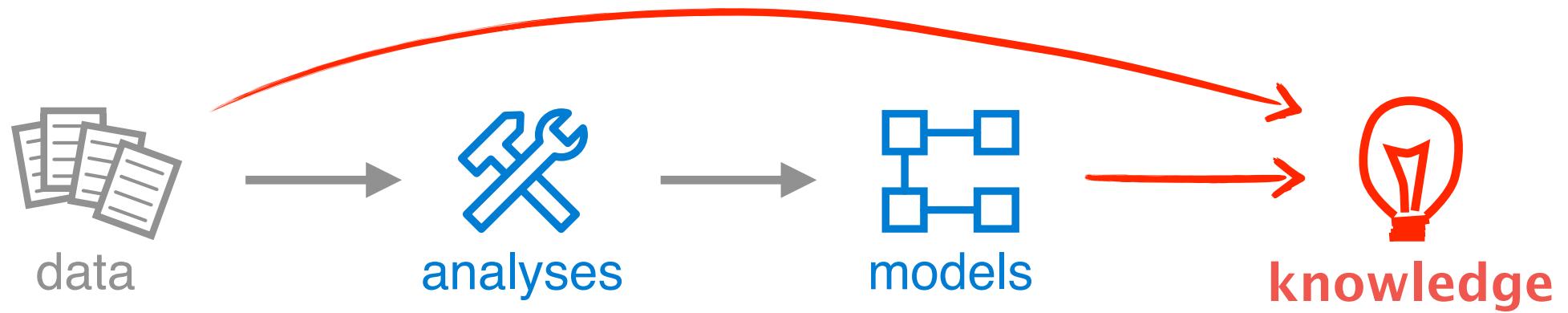
NOM = 7, 6, 4, 3, 2 ?

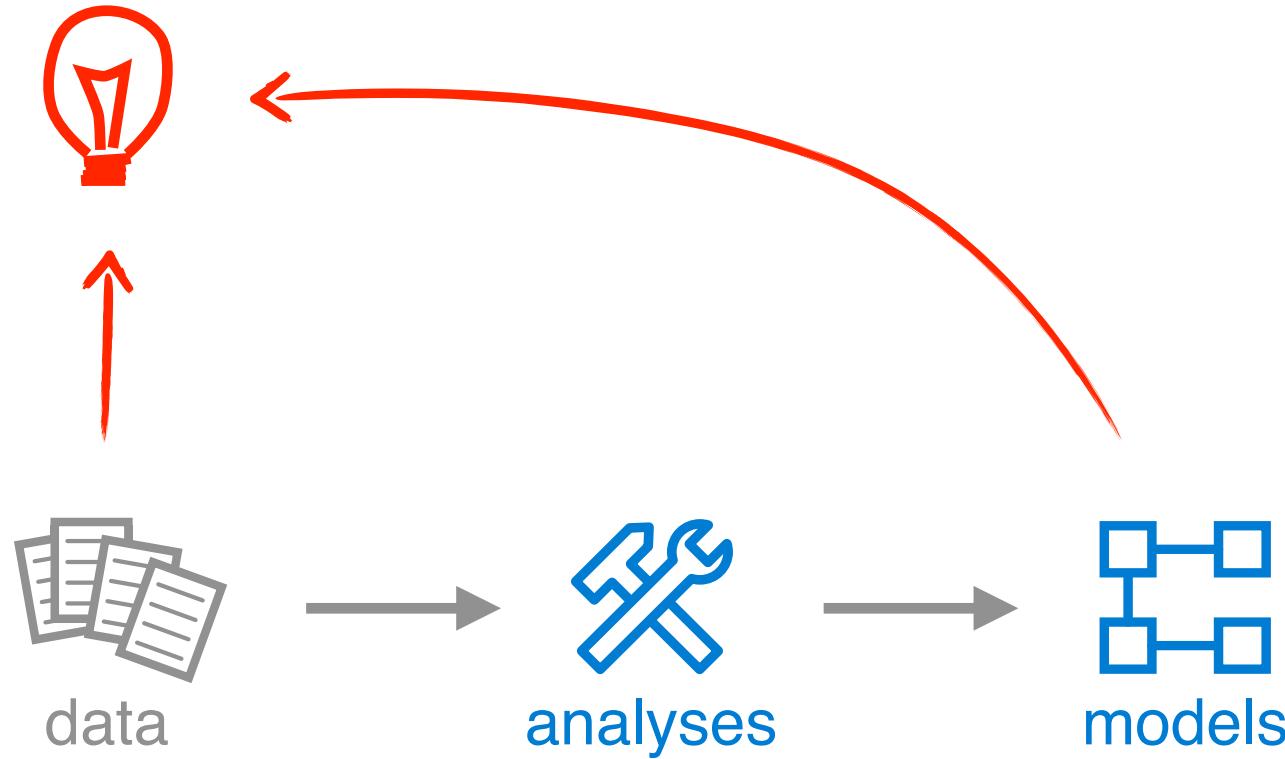
your responsibility

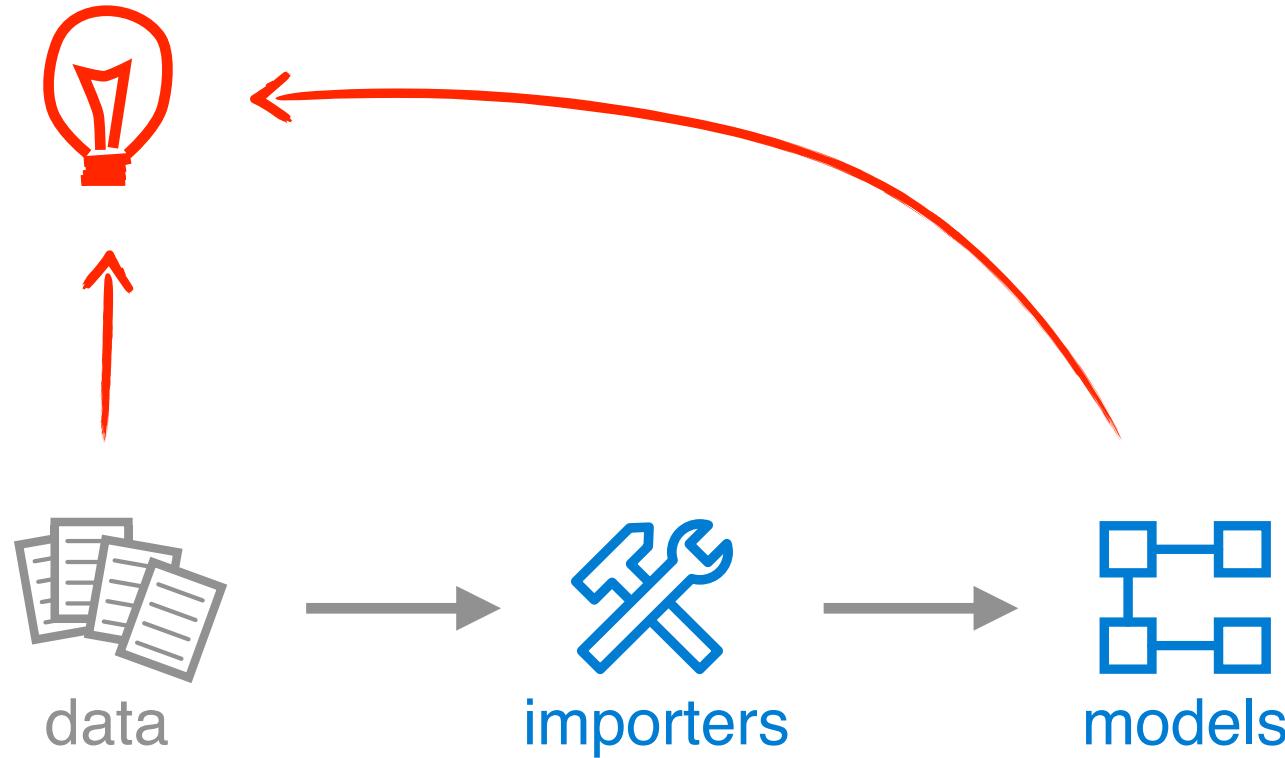


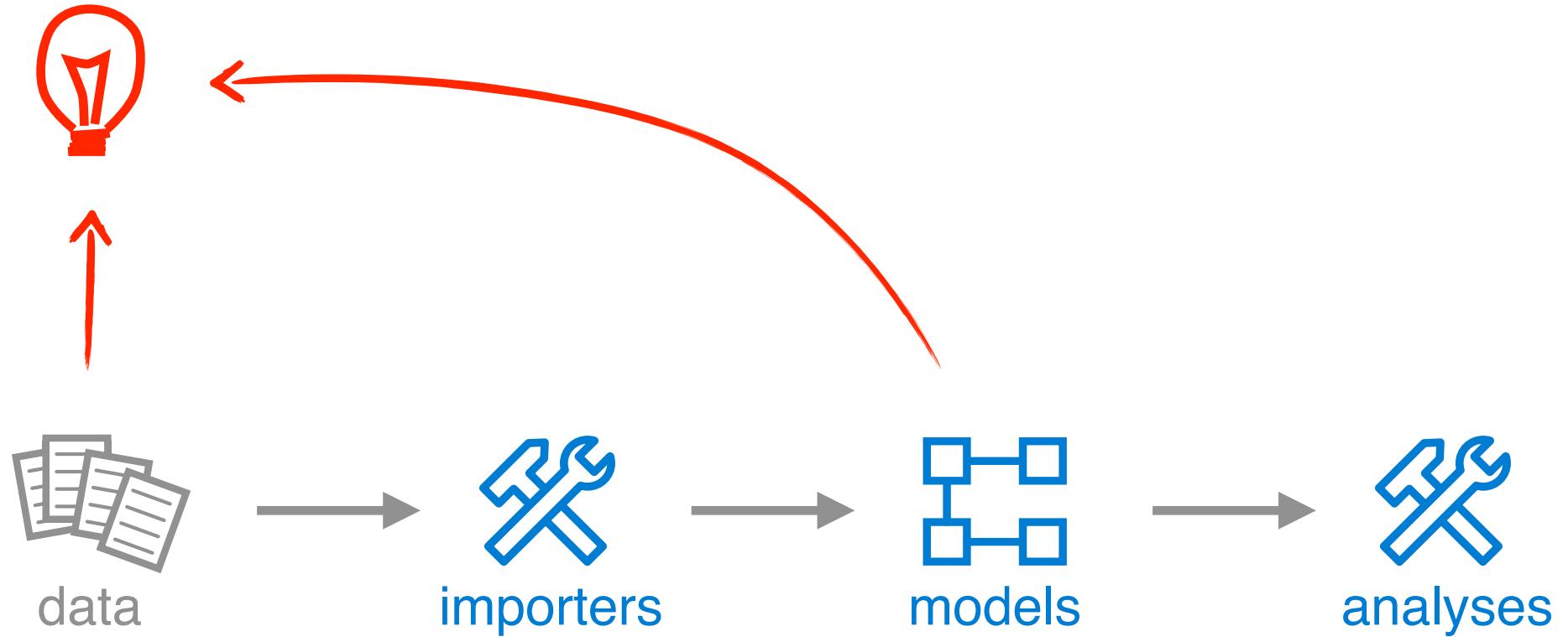


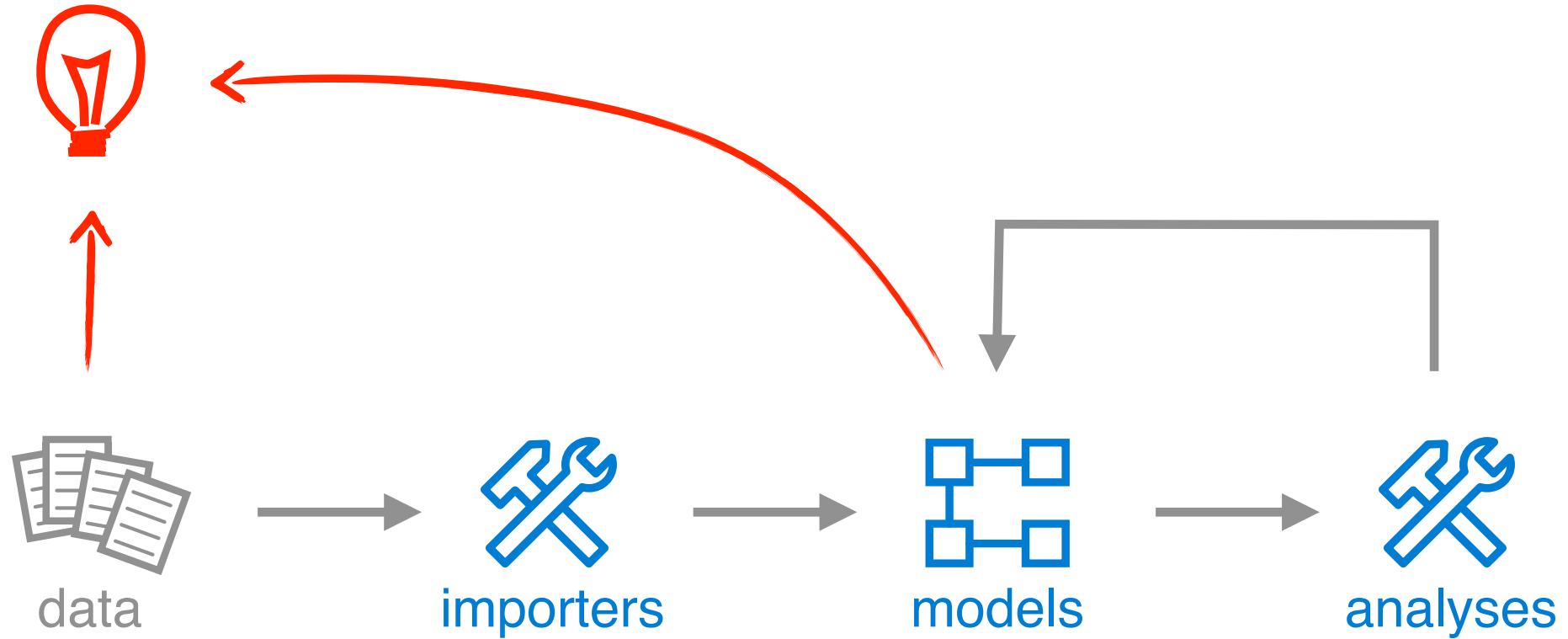


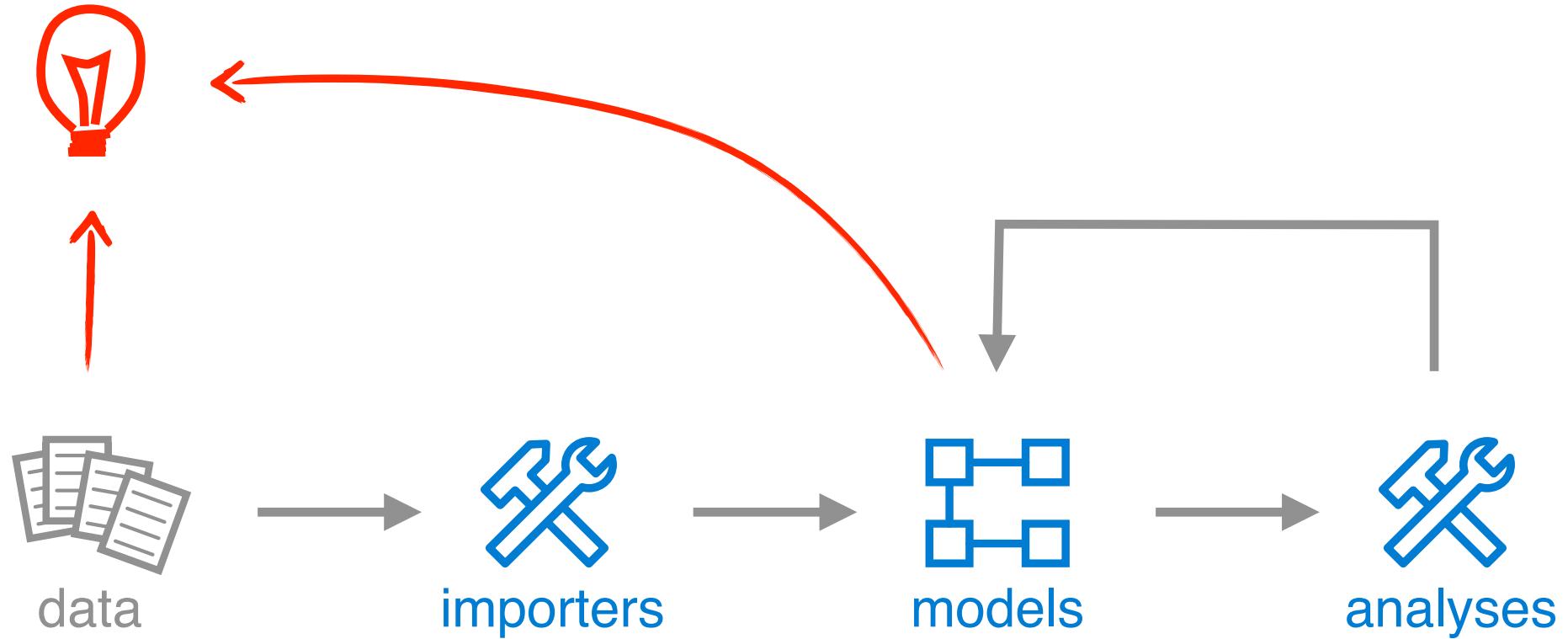












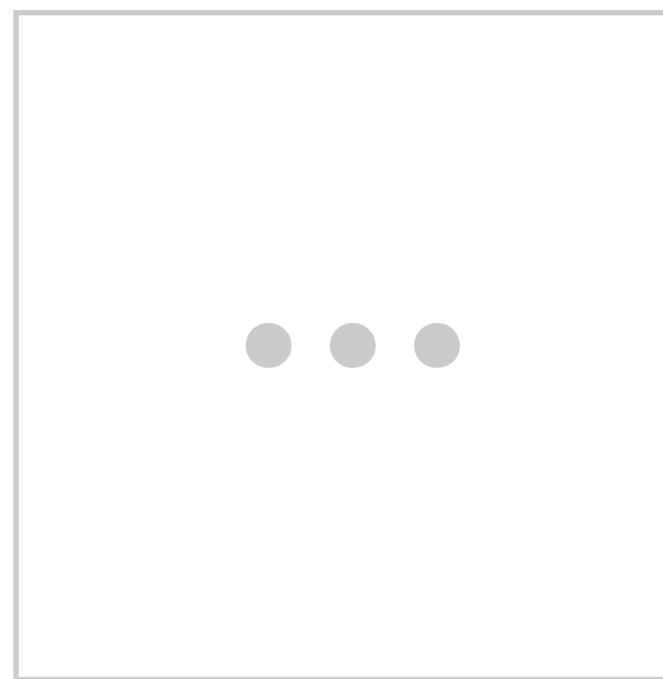
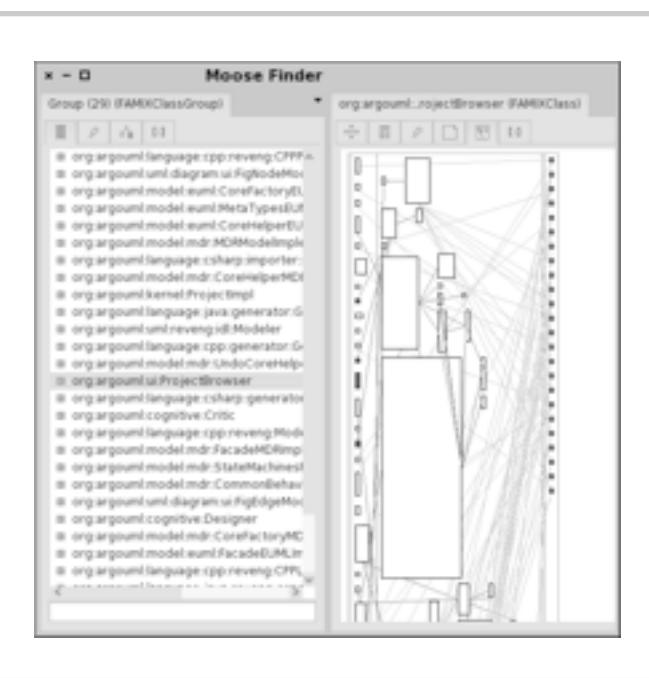
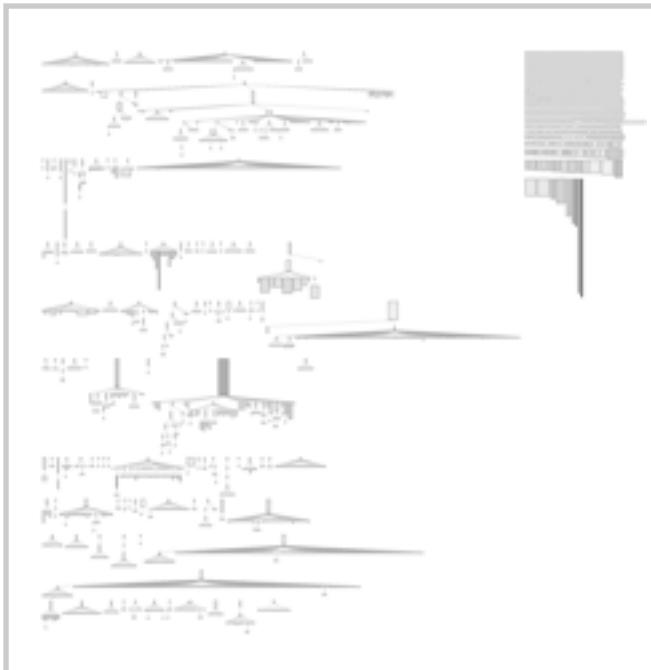
[moosetechnology.org](http://moosetechnology.org)



classes select: #isAnnotated

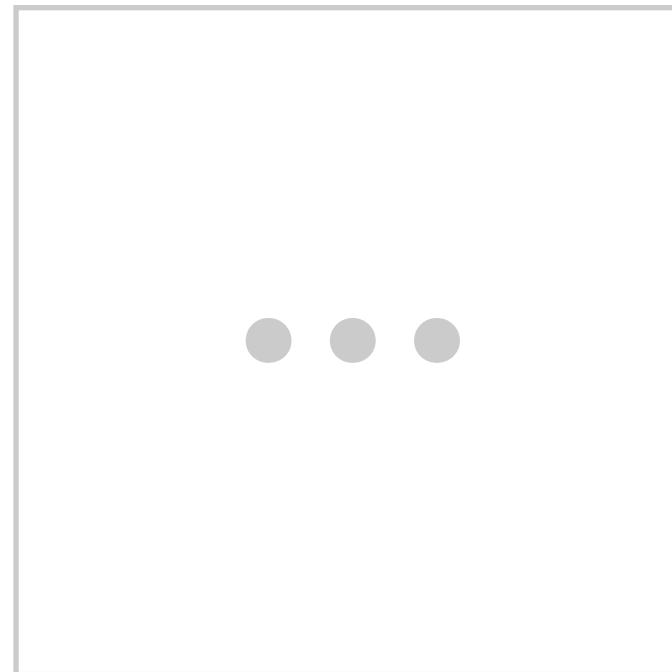
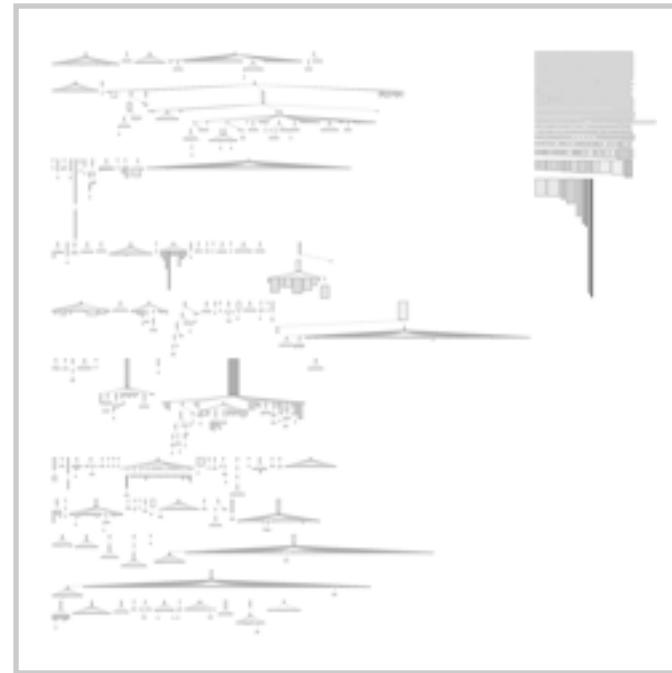
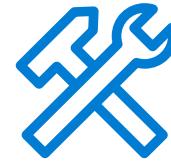
McCabe = 21

LOC = 753,000



classes select: #isGod

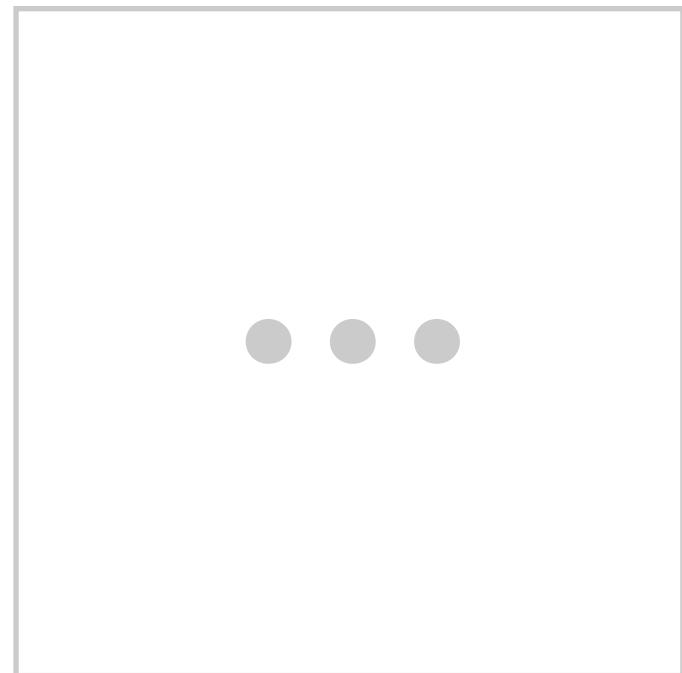
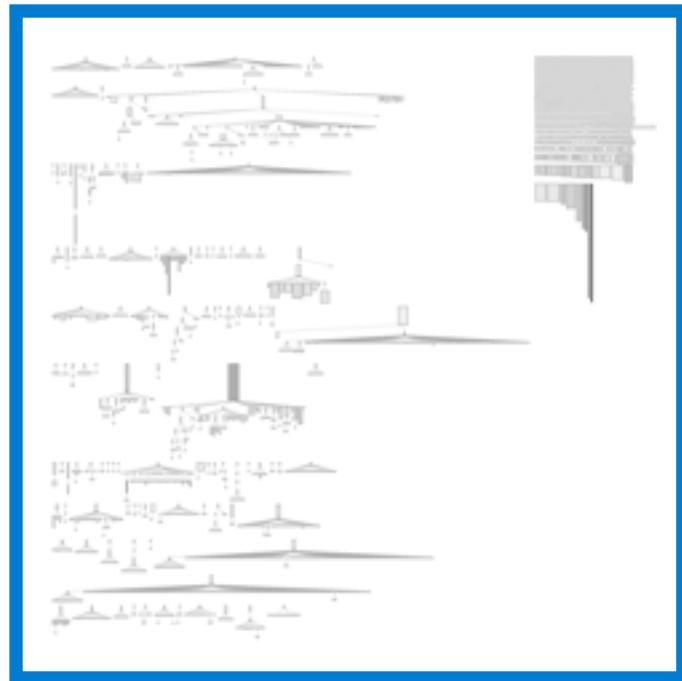
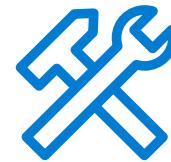
McCabe = 21  
LOC = 753,000



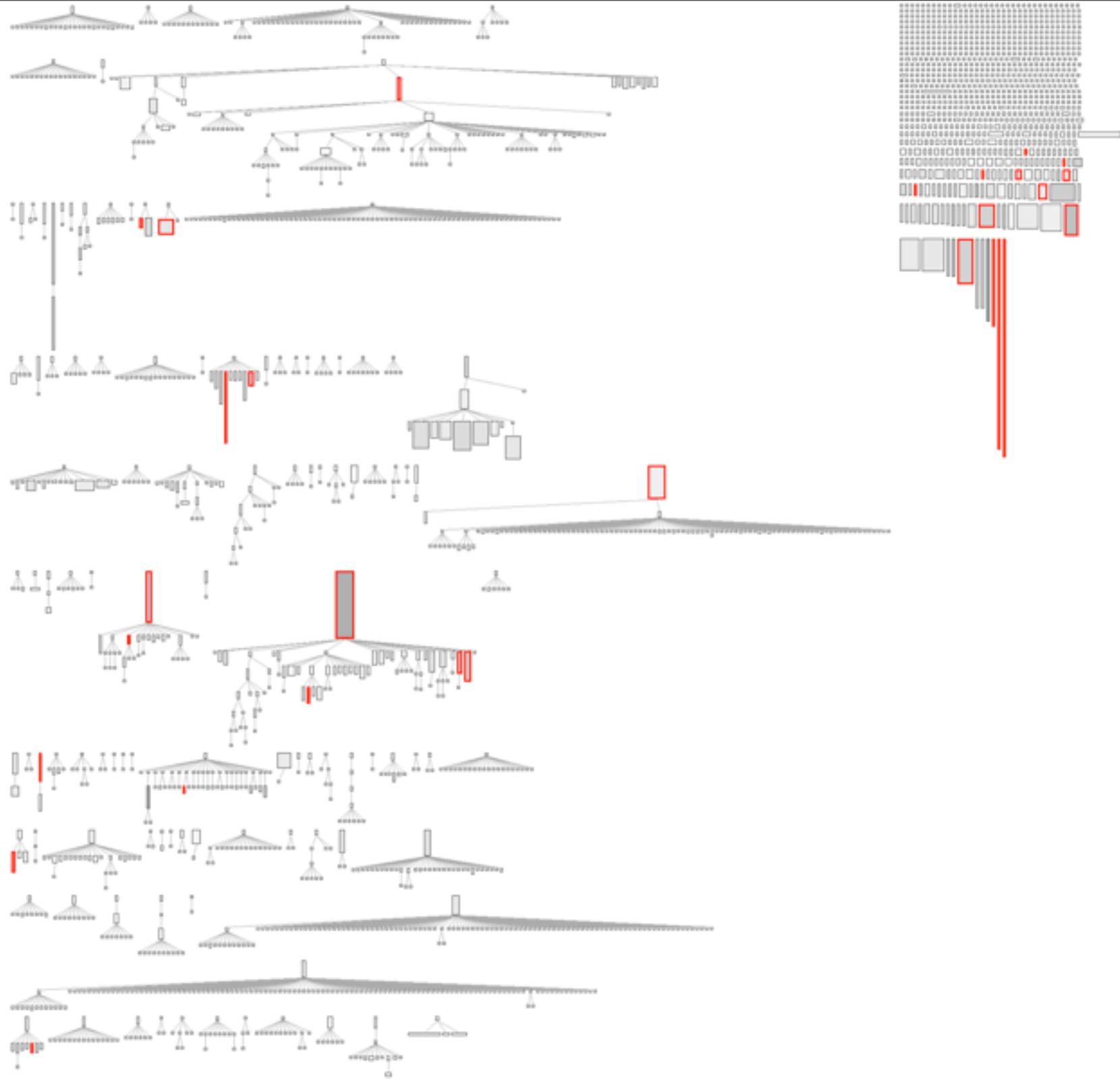
classes select: #isGod

McCabe = 21

LOC = 753,000



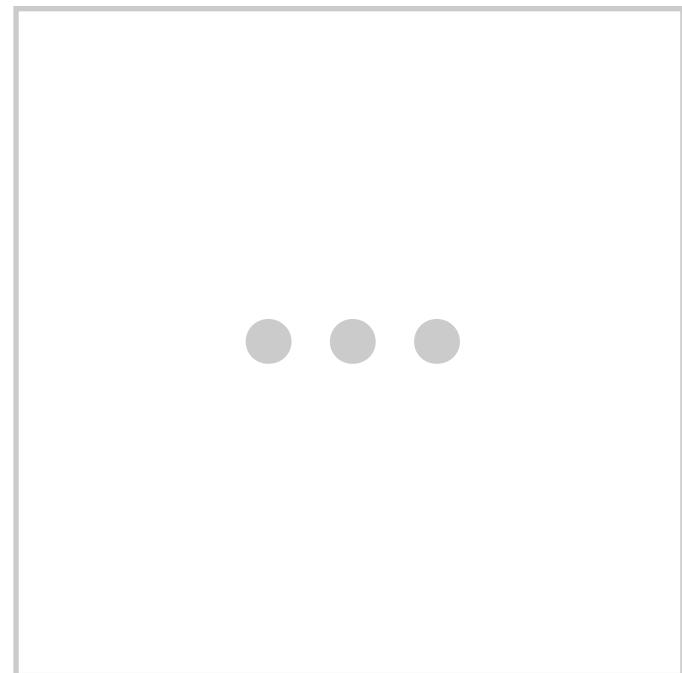
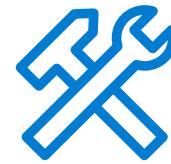
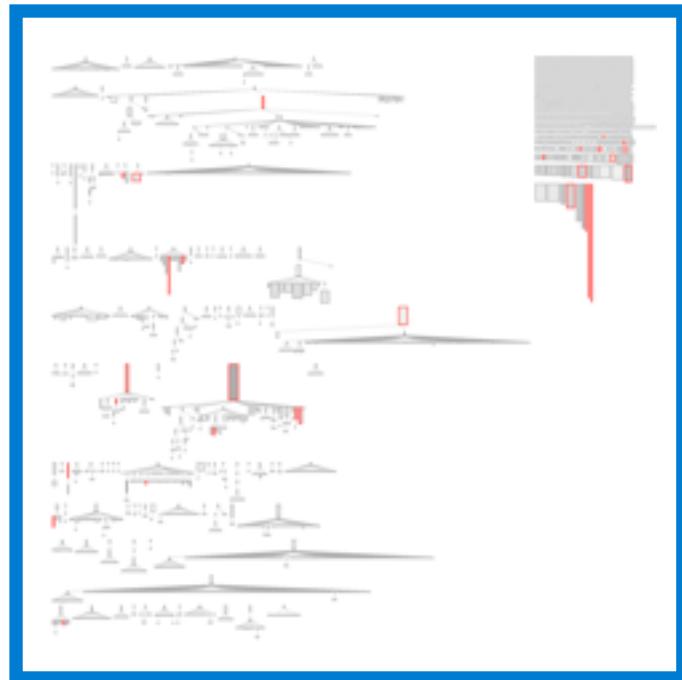




classes select: #isGod

McCabe = 21

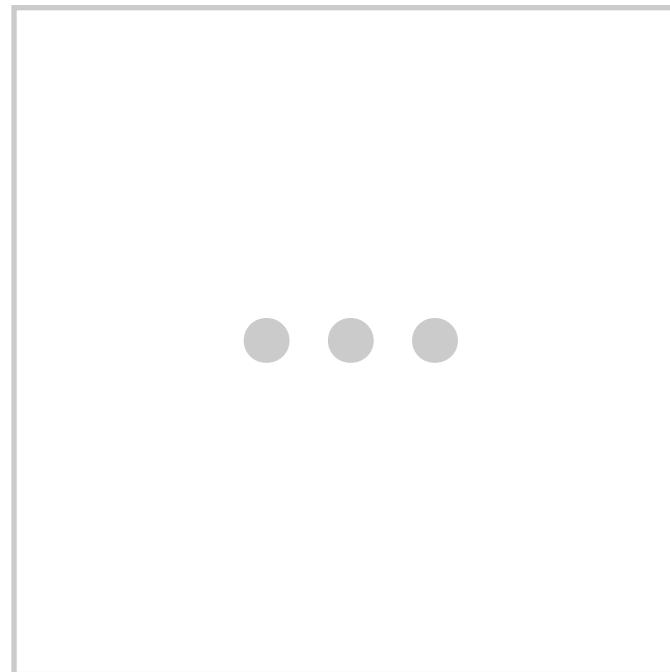
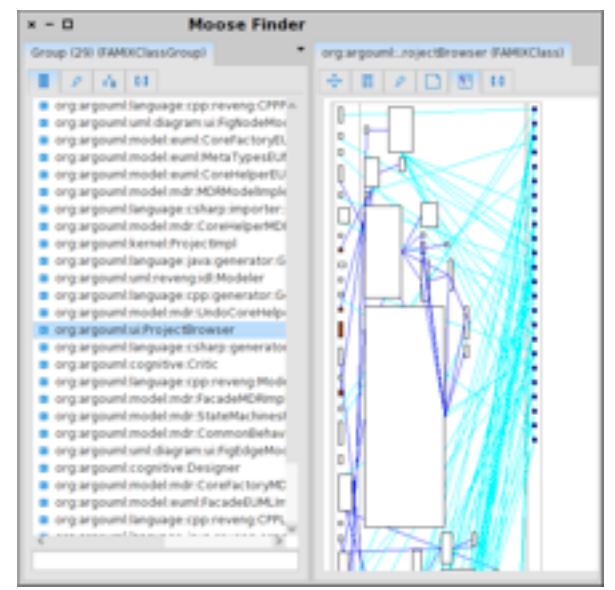
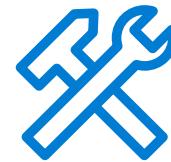
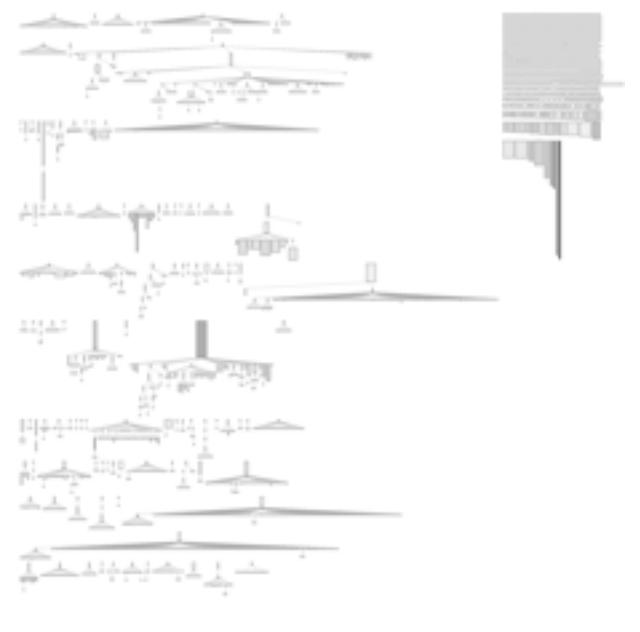
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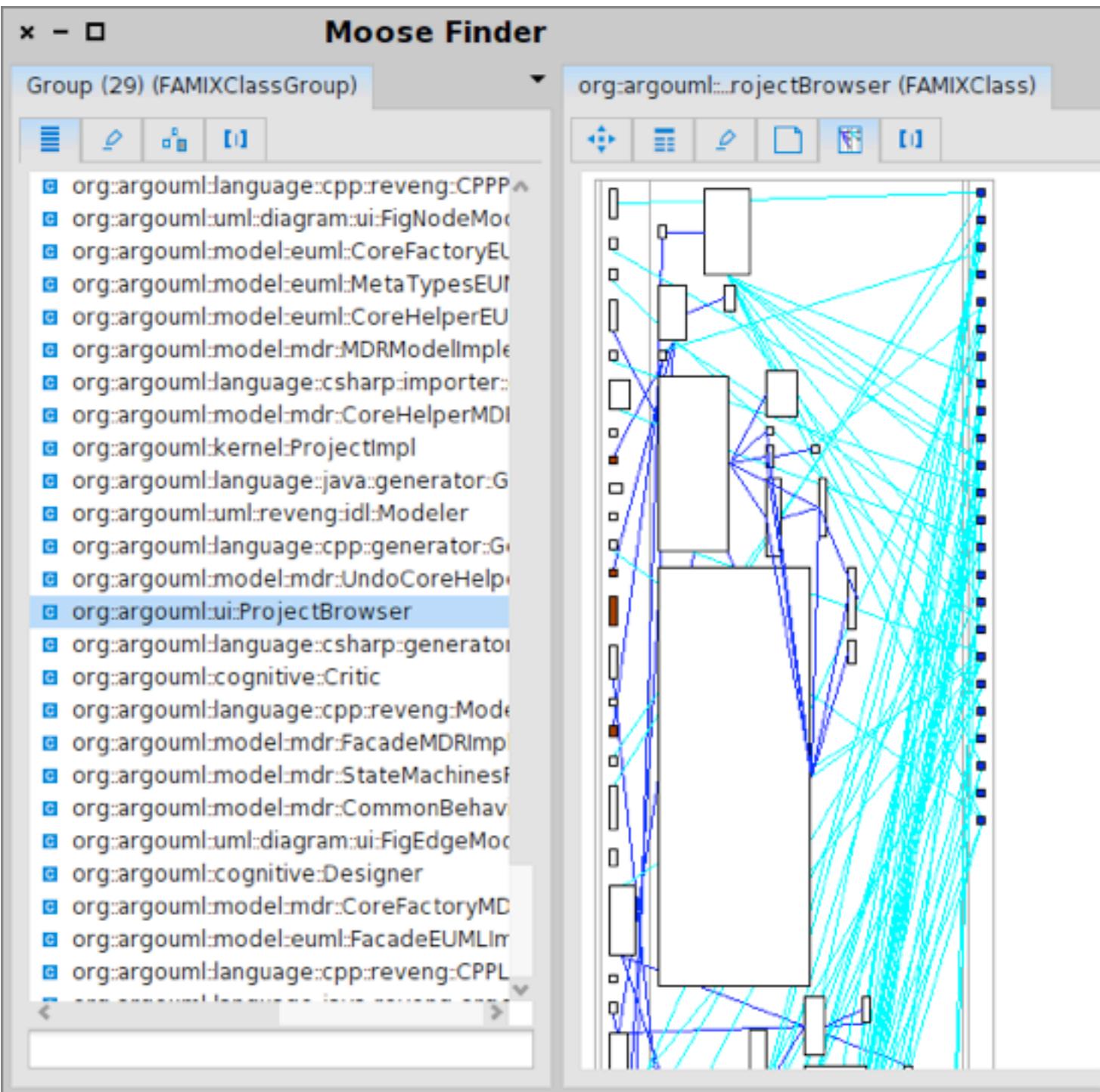


classes select: #isGod

McCabe = 21

LOC = 753,000

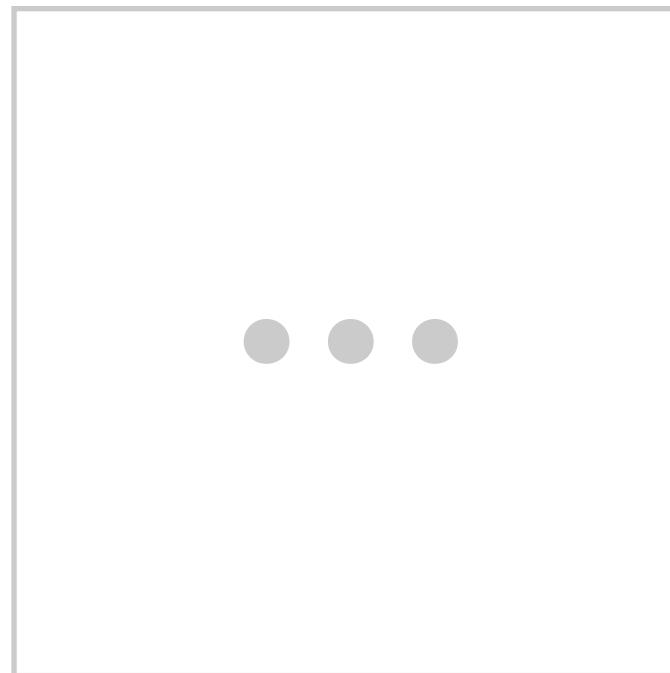
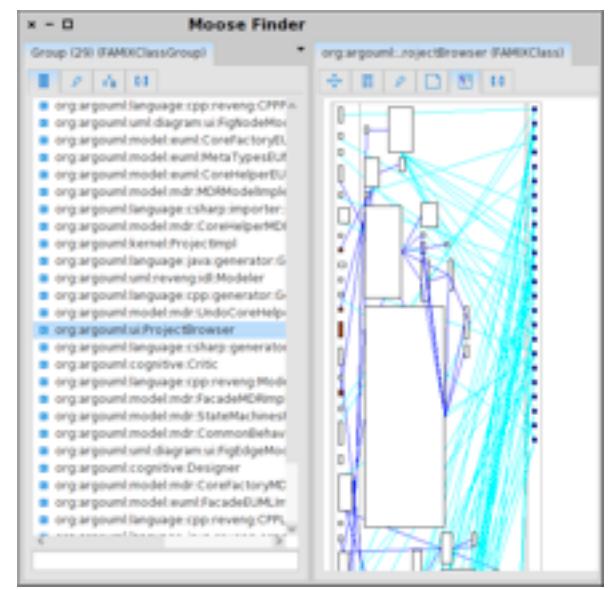
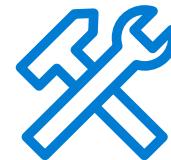
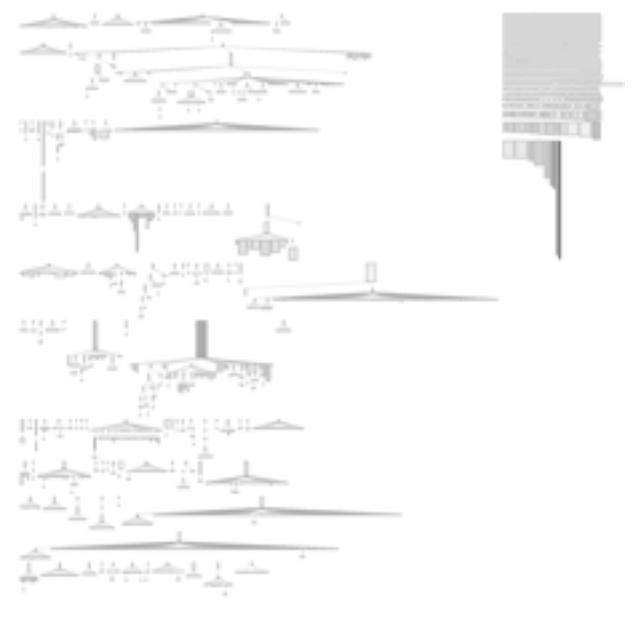




classes select: #isGod

McCabe = 21

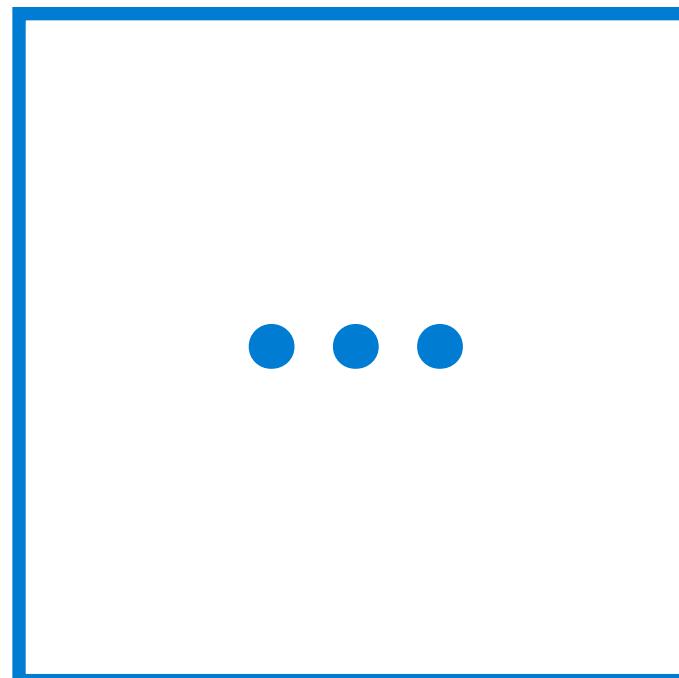
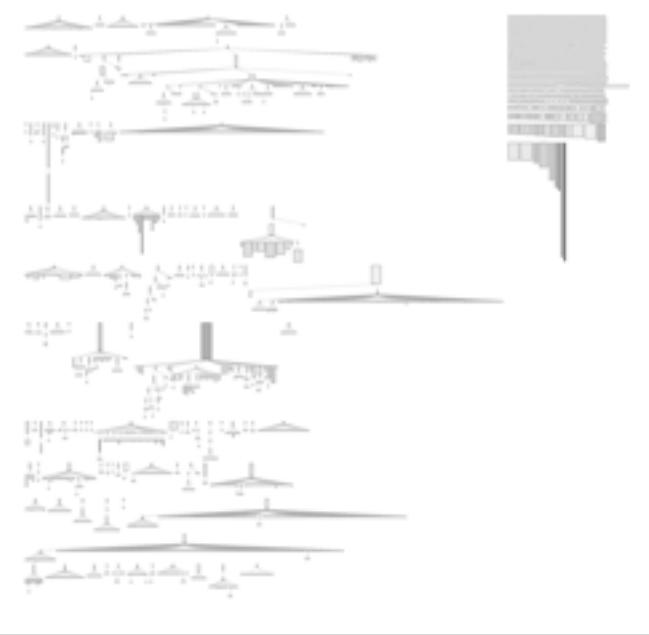
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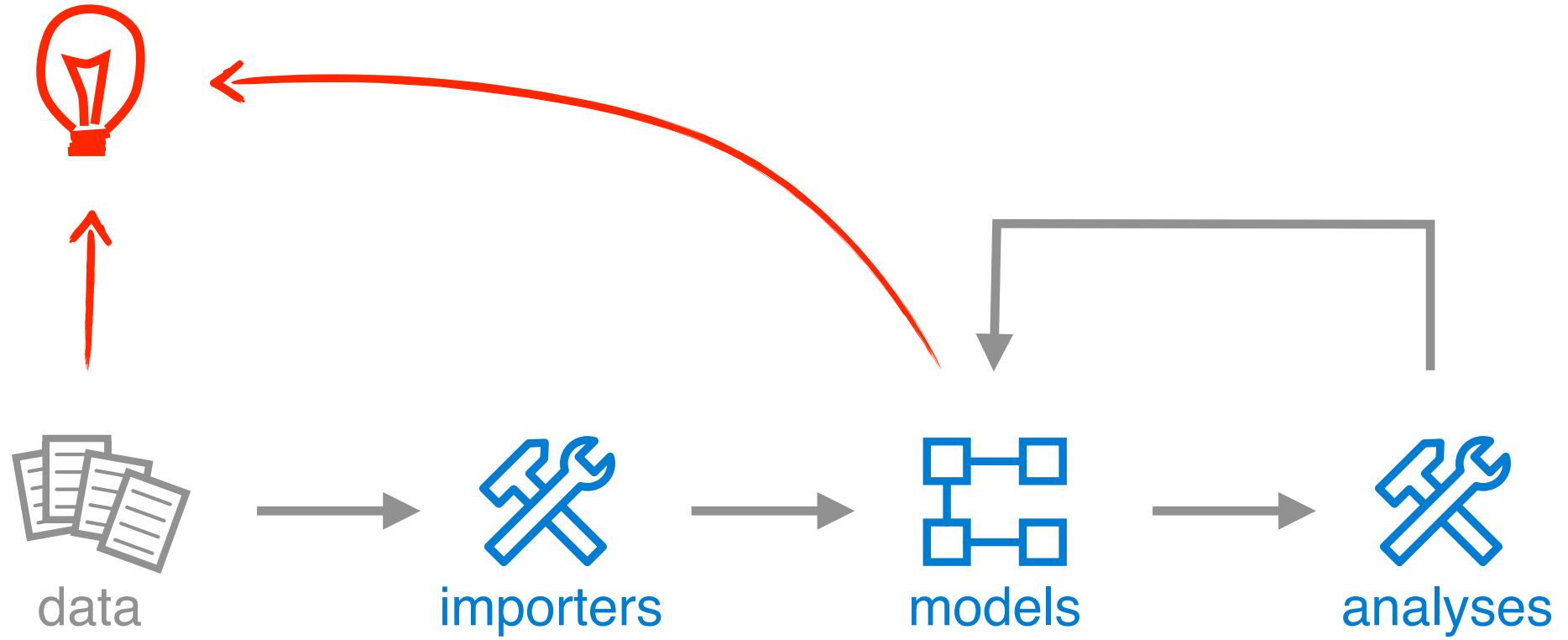


classes select: #isGod

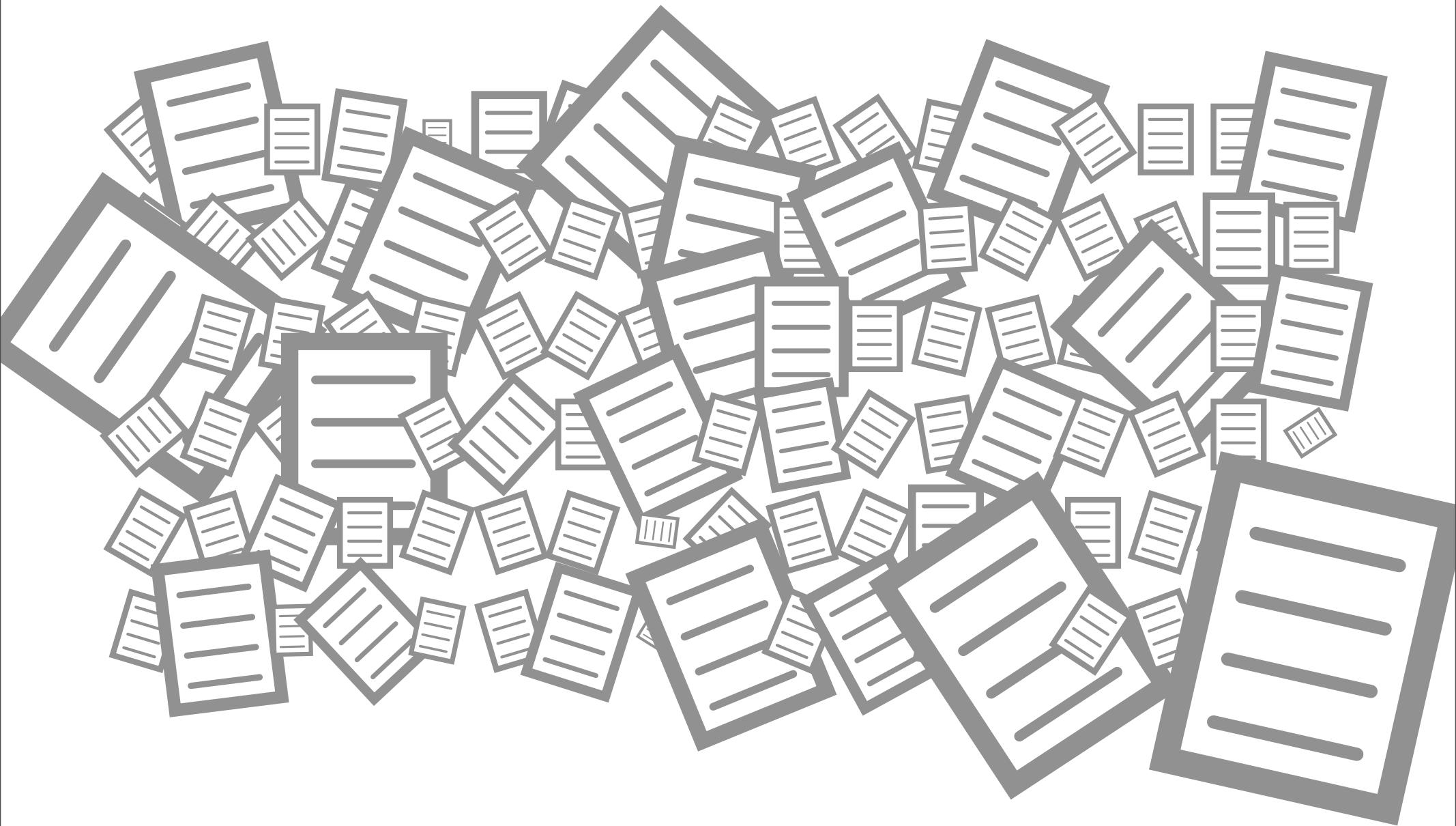
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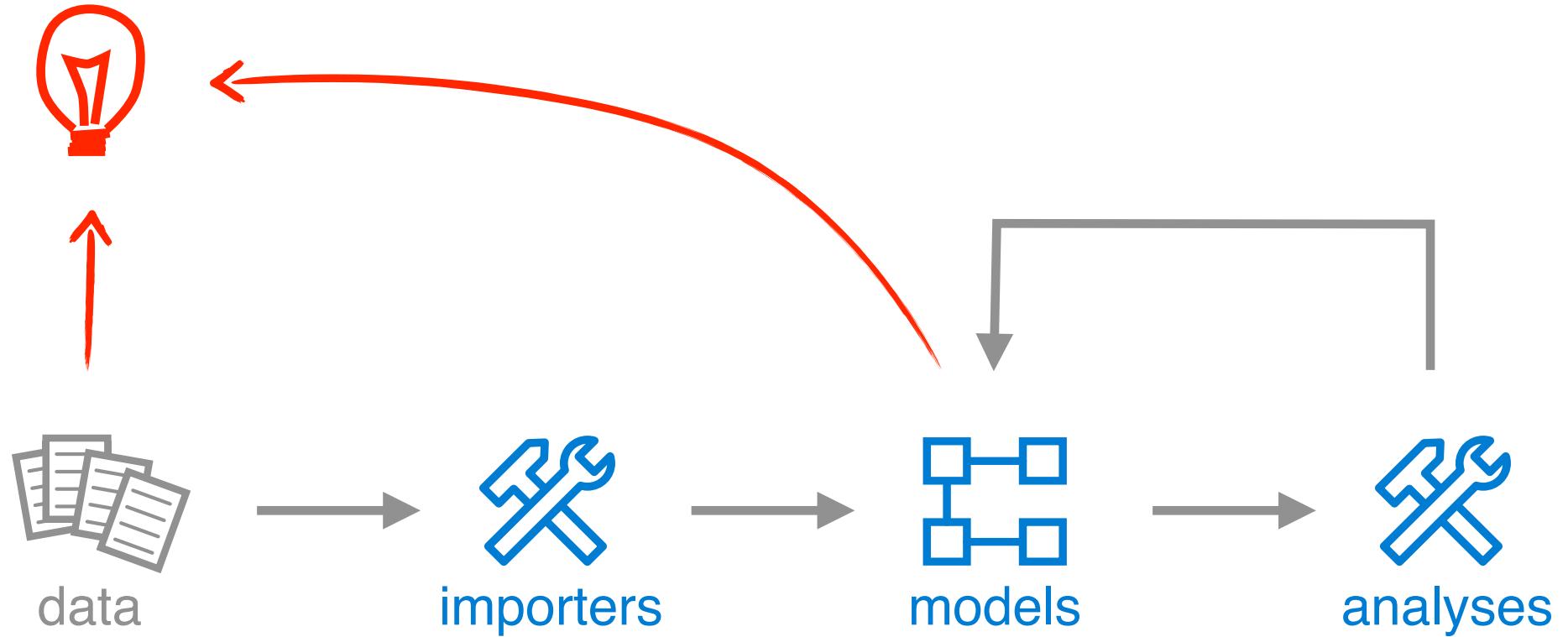
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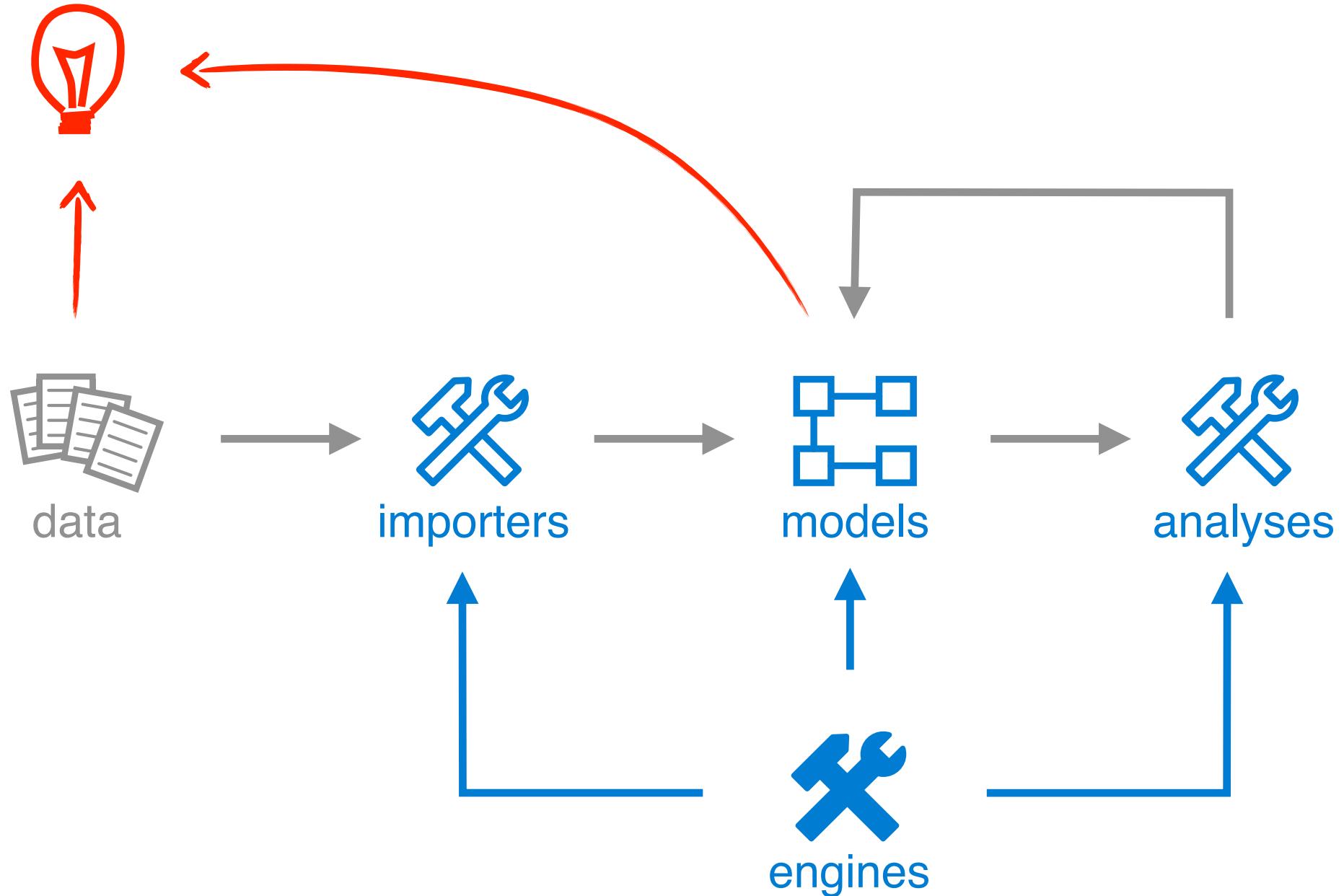


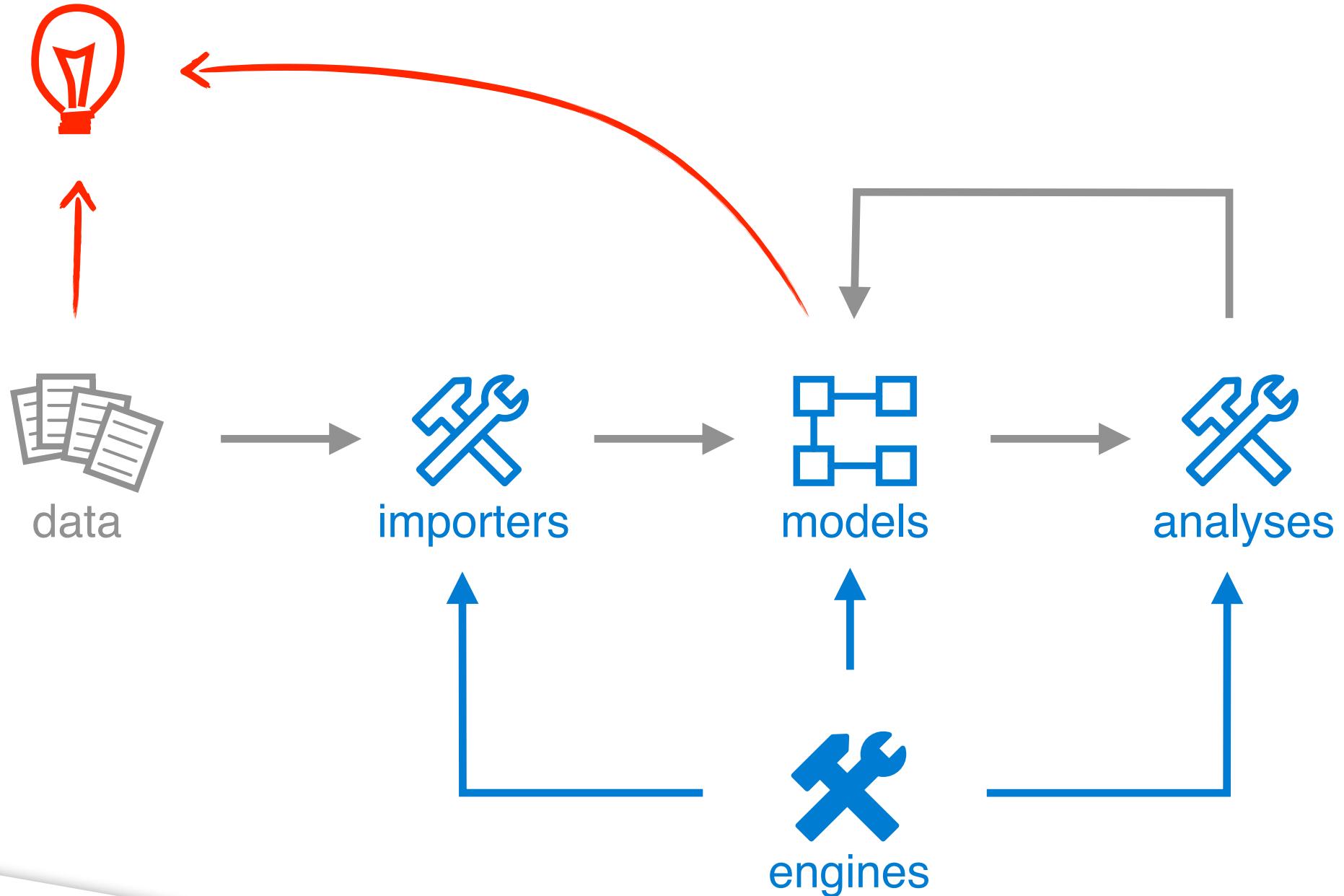




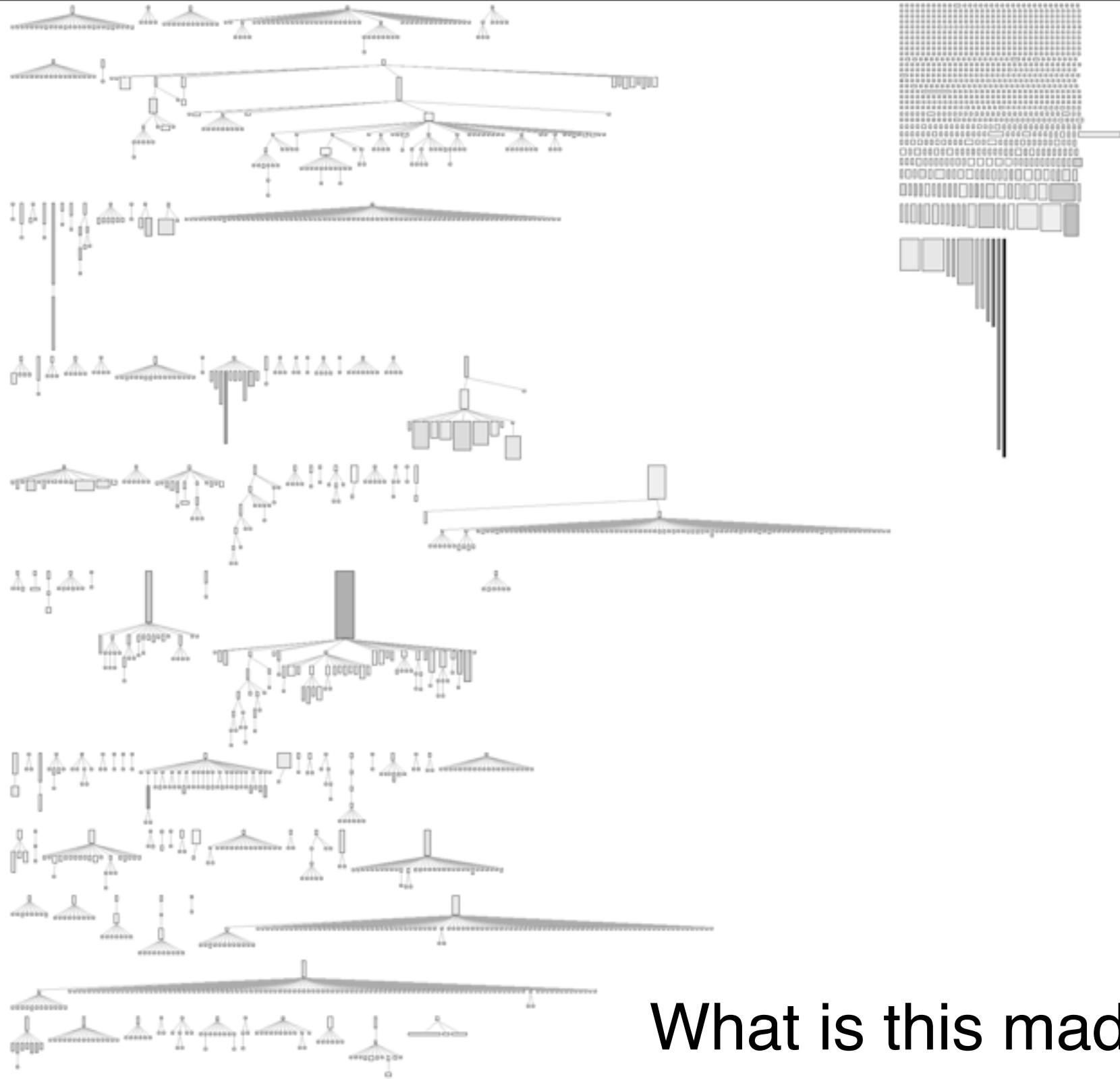




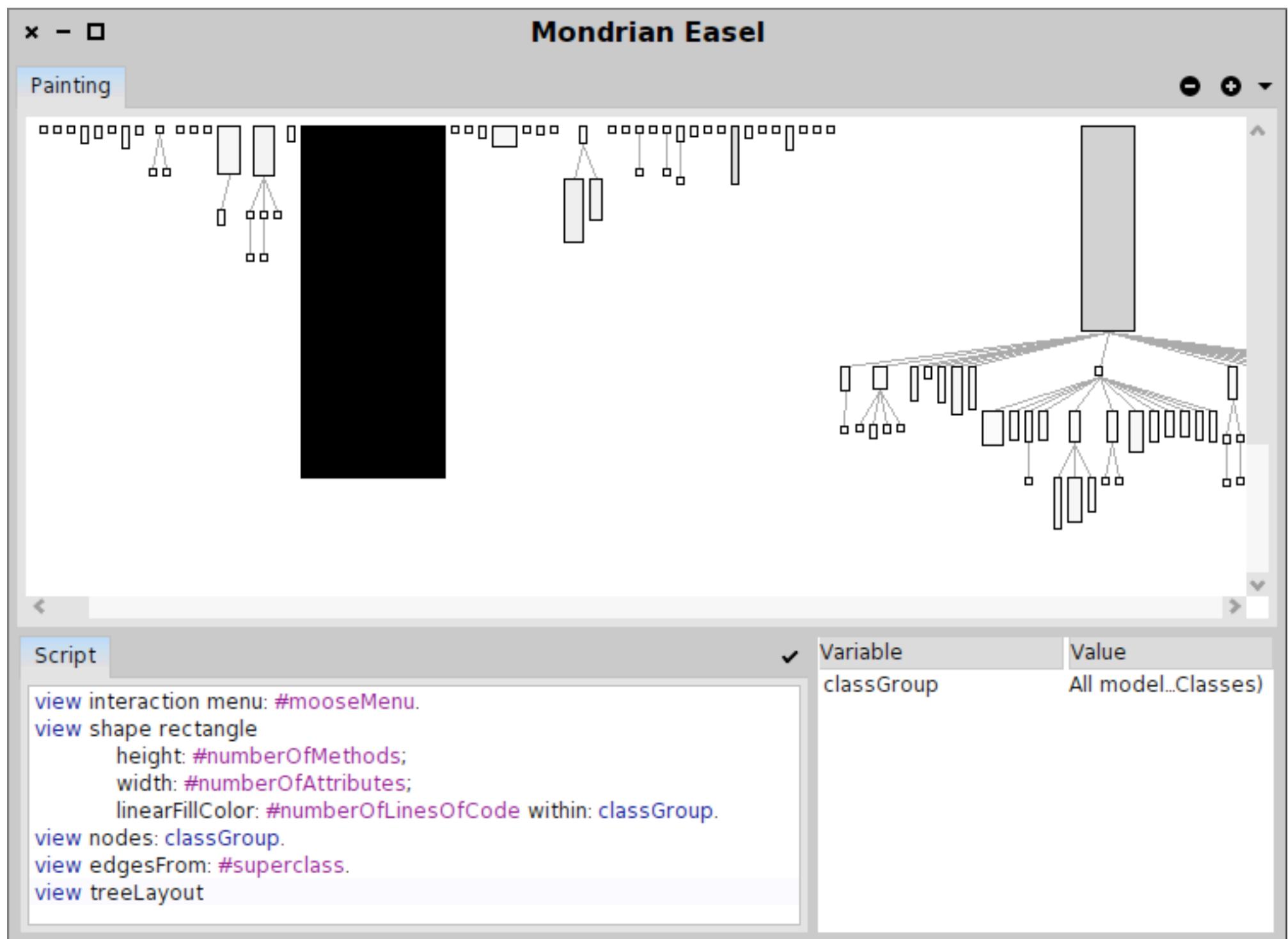




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What is this made of?



**Glamorous Browser**

Namespaces	Classes	Methods
▶ activity2	MultitypeFilterer	PGMLStackParser
▶ cognitive	OffenderXMLHelper	addFigEdge
<b>persistence</b>	OldModelMemberFilePersister	addFigEdge
▶ uml	OldZargoFilePersister	addTranslation
▶ util	OpenException	addTranslations
▶ ui	<b>PGMLStackParser</b>	<b>attachEdges</b>
i18n	PersistenceException	constructFig
▶ state2	PersistenceManager	getDiagramSettings
▶ core	PgmlUtility	getFigNode
▶ notation	PrivateHandler	getHandler
◀ pattern		getOwner

```
/**  
 * This is called when all nodes and edges have been read and placed on the  
 * diagram. This method then attaches the edges to the correct node,  
 * including the nodes contained within edges allowing edge to edge  
 * connections for comment edges, association classes and dependencies.  
 *  
 * @param d the Diagram  
 */  
private void attachEdges(Diagram d) {  
    for (EdgeData edgeData : figEdges) {  
        final FigEdge edge = edgeData.getFigEdge();  
  
        Object modelElement = modelElementsByFigEdge.get(edge);  
        if (modelElement != null) {
```

What is this made of?

```
composer tabulator with: [:t |  
  t row: [:r | r column: #namespaces;  
            column: #classes; column: #methods];  
  row: #details.  
  t transmit to: #namespaces; andShow: [:a |  
    a tree  
    title: 'Namespaces';  
    display: [:m | m allNamespaces select: #isRoot];  
    children: #childScopes;  
    format: #name].  
  t transmit from: #namespaces; to: #classes; andShow: [:a |  
    a list  
    title: 'Classes';  
    display: [:n | n classes];  
    format: #name].  
  t transmit from: #classes; to: #methods; andShow: [:a |  
    a list  
    title: 'Methods';  
    display: [:c | c methods];  
    format: #name].  
  t transmit from: #methods; to: #details; andShow: [:a |  
    a text  
    display: #formattedSourceText]  
  ].  
composer openOn: model
```

Moose technology: Home

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# moose

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Moose is a platform for software and data analysis.

It is an open source project since 1996. It is supported by several research groups around the world, and it is increasingly adopted in industrial projects.

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enables

↓

**Humane assessment**  
the missing software engineering method  
[www.humane-assessment.com](http://www.humane-assessment.com)

Moose 4.6 beta  
9 October 2011  
Moose 4.6 is now in beta.  
Only a few issues are open. Give it a try and provide feedback.

Open Moose engineer position at INRIA Lille  
11 September 2011  
The RMoD group from INRIA Lille is looking for an engineer to work on Moose. The position is for one...

Moose featured at QCon London 2011  
3 September 2011  
Erik Dörnenburg gave a talk about Software Quality: You Know It when You See It at QCon 2011. He sho...

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The Moose Book: The Moose Book

<http://www.themoosebook.org/book>

The Moose Book: The Moose Book

the book

the book  
that shows  
the outside  
the inside and  
the philosophy of  
the Moose platform

by Tudor Gîrba

Search the book

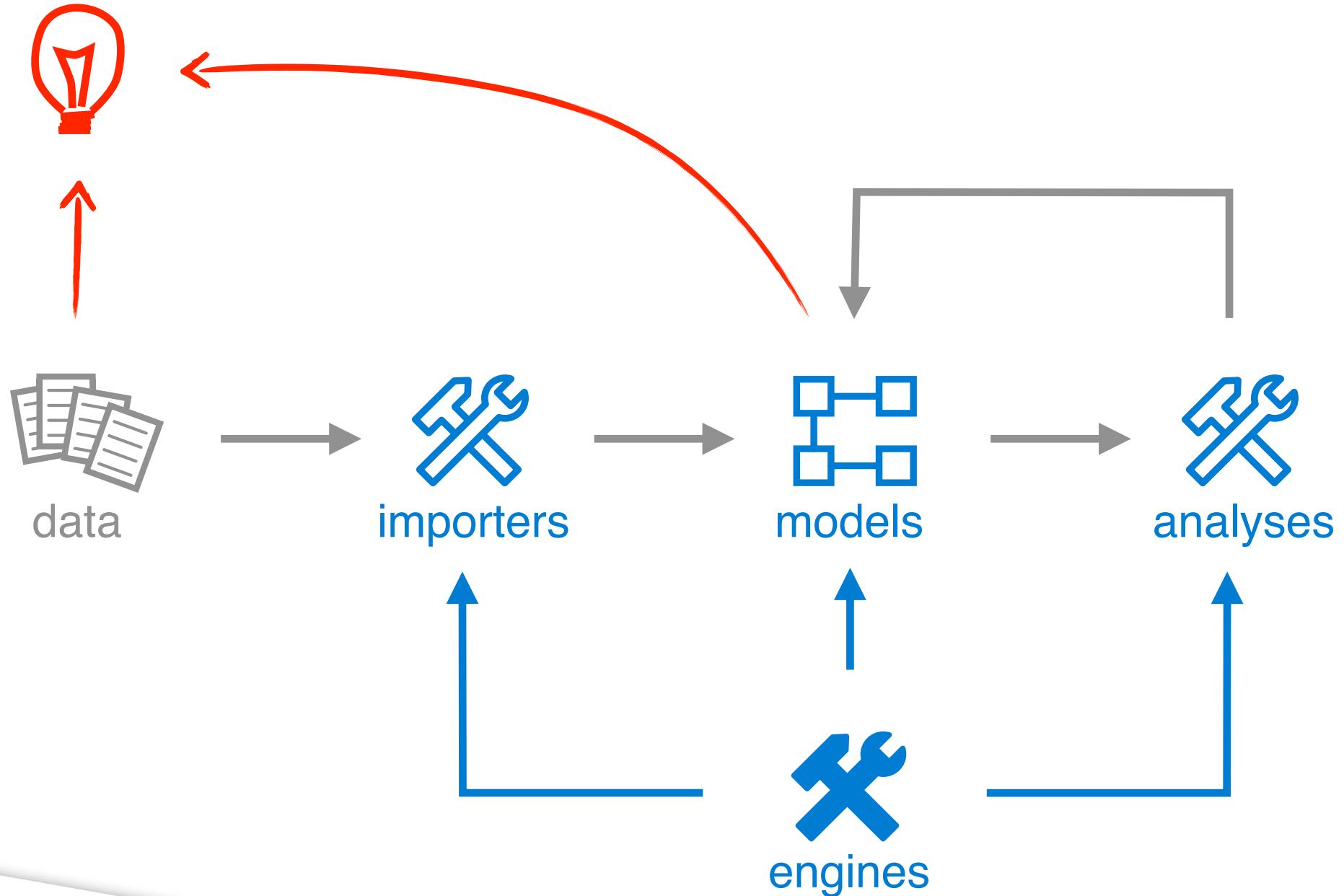
Table of contents

About This book offers an overview of the Moose® platform for software and data analysis. More specifically it covers version 4.

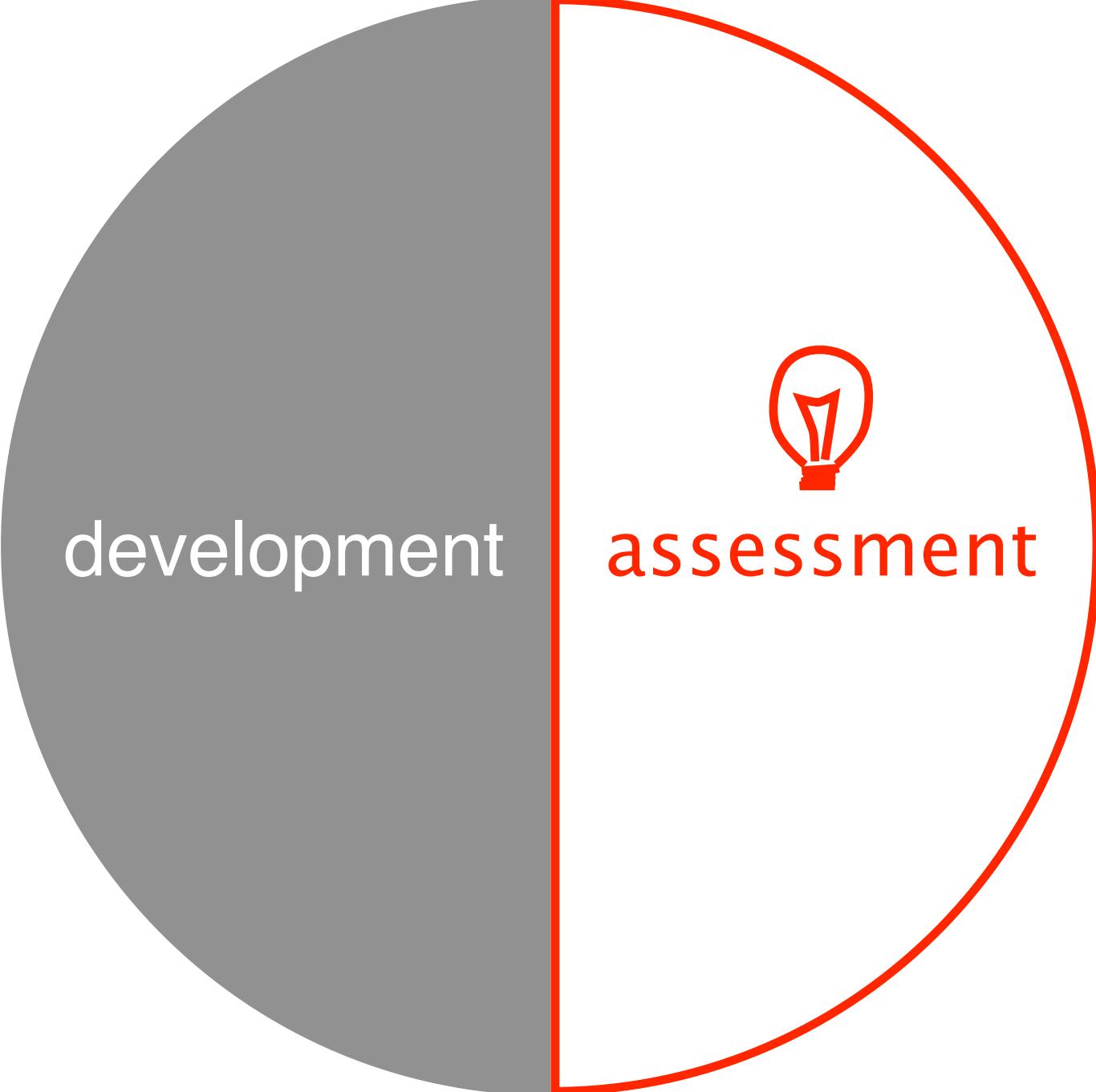
Currently, the book is in a preliminary shape, with a number of parts still under writing.

Feedback is more than appreciated. Please contact me [✉](#), or leave a comment on this site.

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development

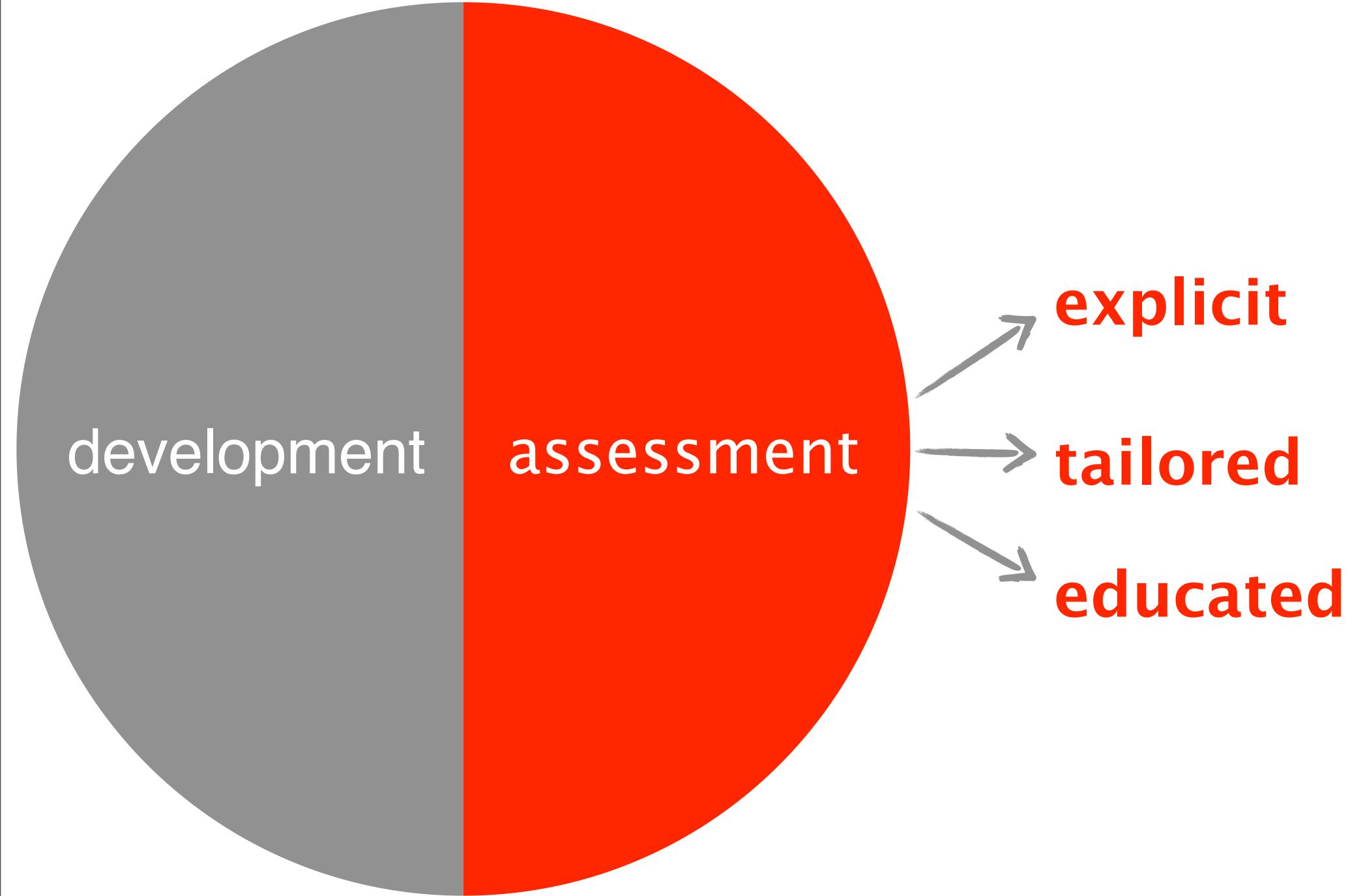
assessment

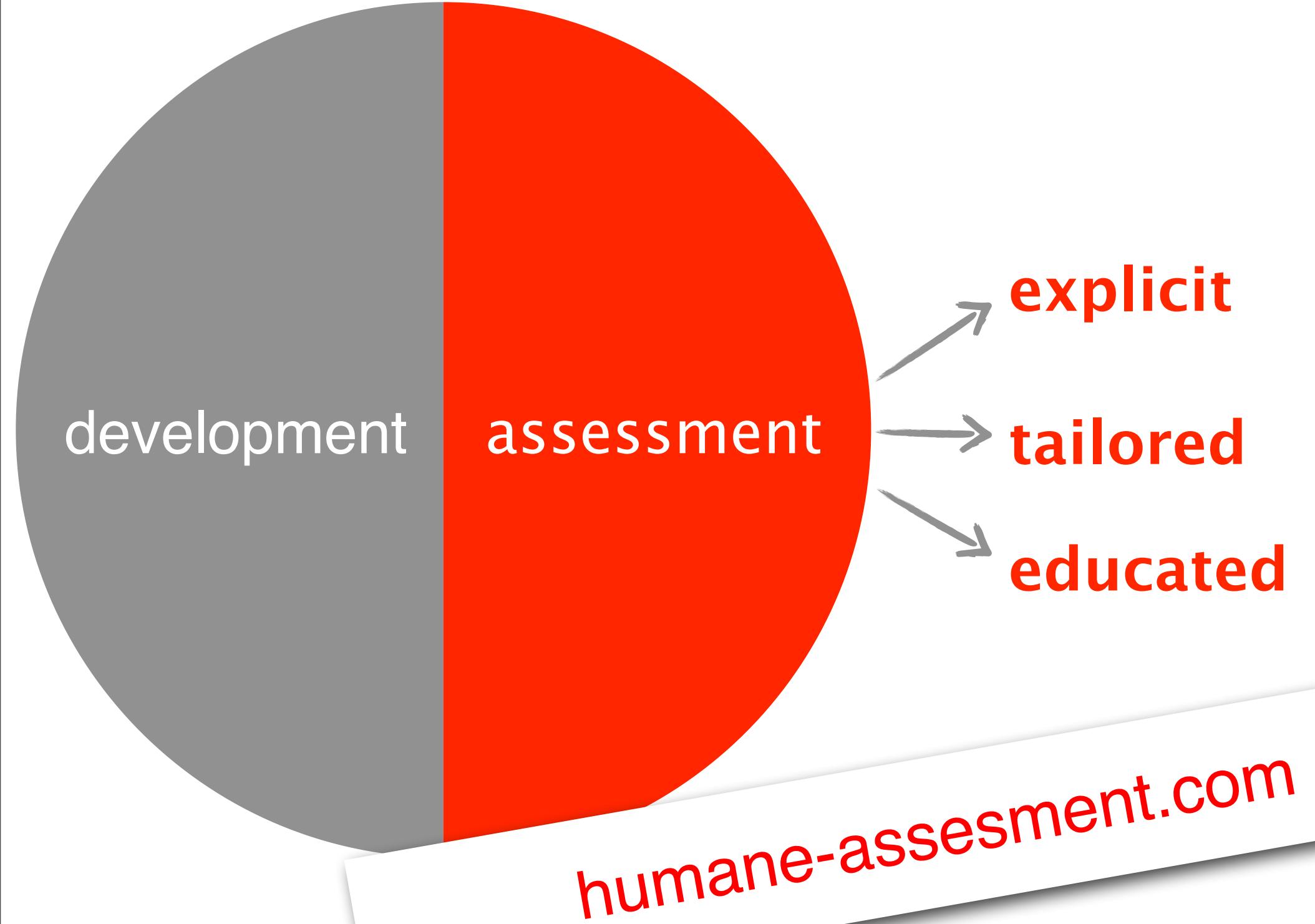




development

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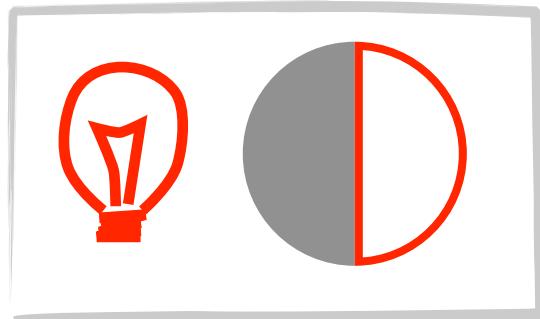


# software assessment

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# humane assessment

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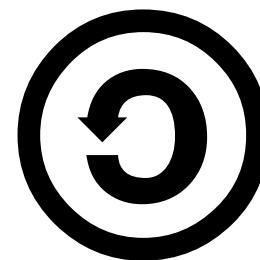
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