synthetic knowledge from thought and the fabric of information

. . . .

Abstract

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- This Talk Is about data .

- data below and above the Microscope.

- The Stuff all data is made off (**Concept's**).

- Where is the Problem of data usage Today;

- Can we Hack around the problem ? HOW

- **Semantic Without restriction or reductions.**

- Across Any or All Information of the World. **without Domain expert's**, or any other primitive Aide you learned in school.
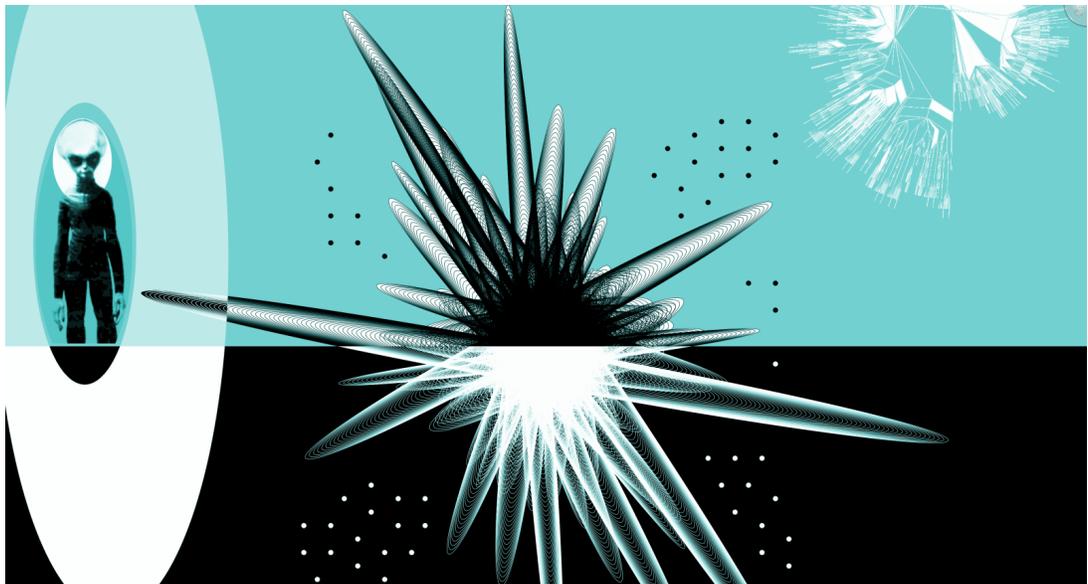
Figure 1: (in the future and today at the **DatenSpuren** 2013, we will make **synthetic Knowledge from Thought**)

Tools

- perl AI-Micro-structures
- Terminal

Overview

- Concepts
- Instances / Relations
- Navigating UP & DOWN
- A sample

smallest part of what we call information

A concept is best described as a picture in your mind.

(construct, idealization, cognition, conception, conceive, mental object, theorem, opinion, feeling, belief, suggestion, abstraction, substance, meaning, program ,reaction, impression, inspiration, thought, believe, preoccupation, cognitive content, burden, plan, programme, theme, ideal, knowledge, motif, psychological feature, cogitation, misconception idea)
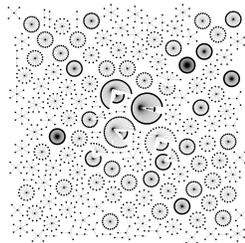
Its a bit like snow as every concept has a different structure, some simple ones some complex generally a concept can have one ore more exits which lead into one or more related concepts like
(I'm going = to the shop // crazy // to sleep)
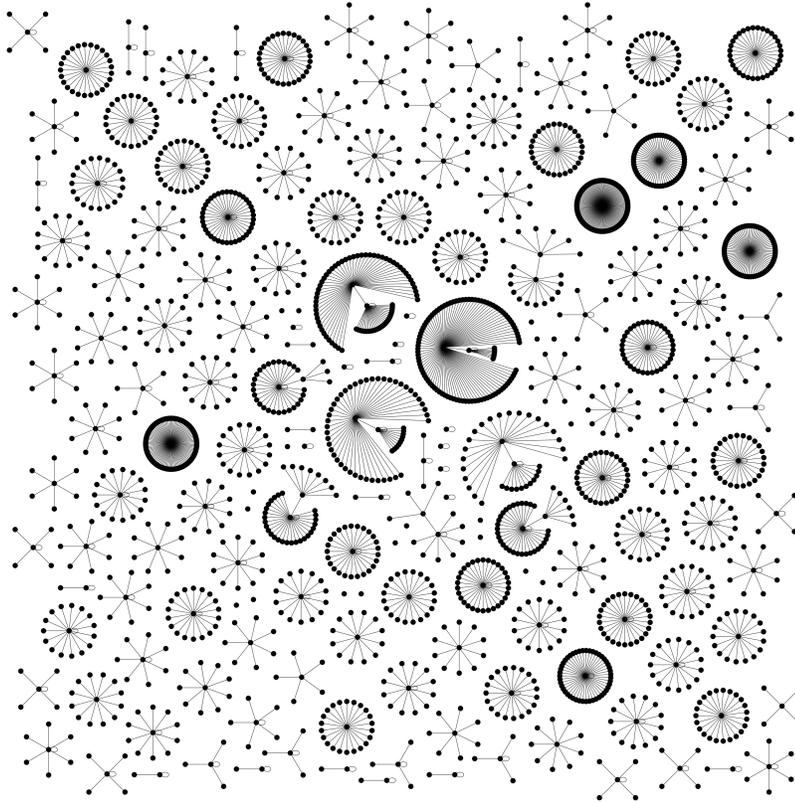
Lots of random Concepts

Figure 2: generating fairly random concepts with common letter [a]

A knowledge system

A large number of concepts even if assembled randomly will form a system where the relations will form connections which would make it possible to move from one concept to any other within the system.
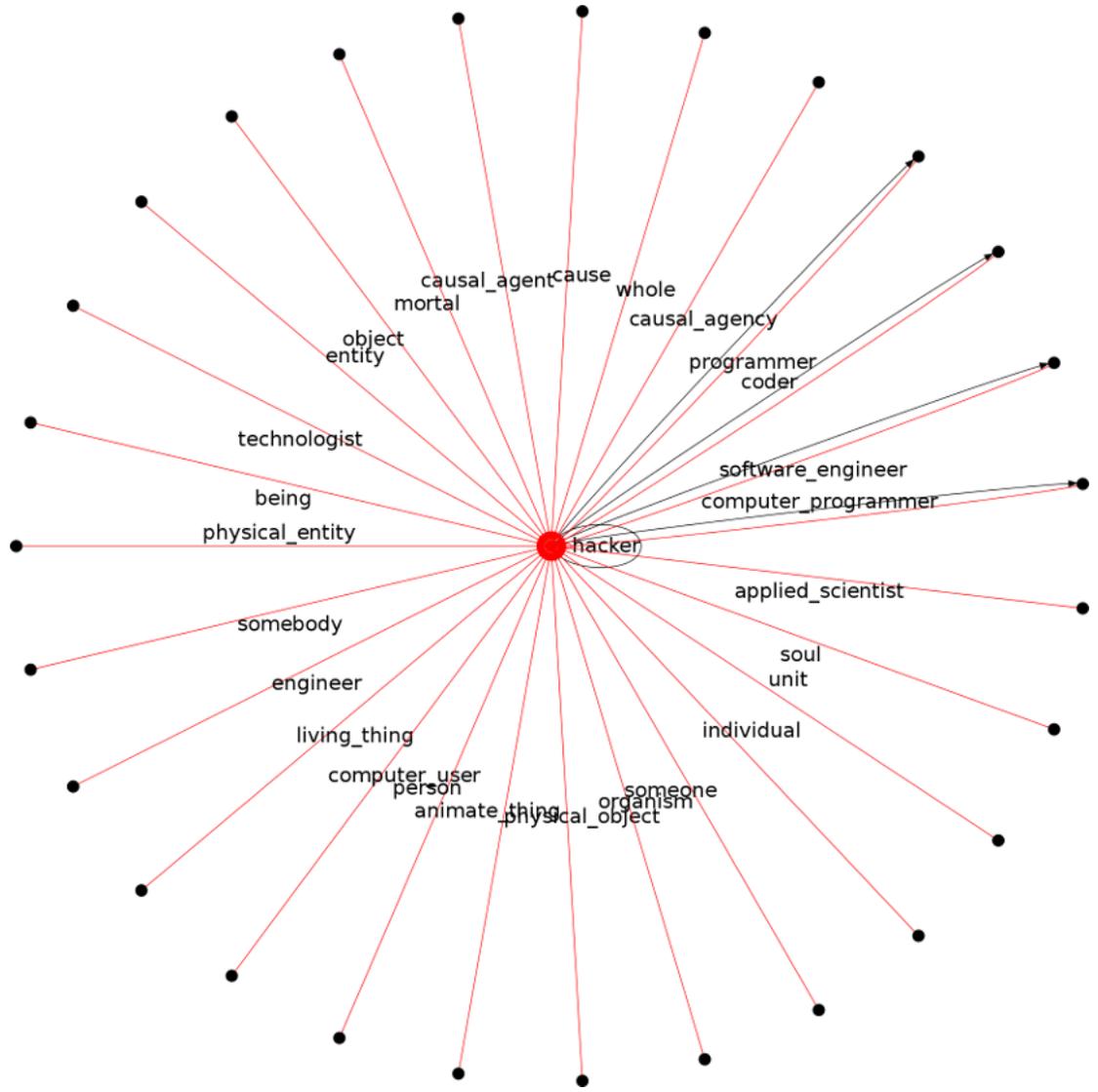
causal_agent cause
mortal whole
causal_agency
object
entity
programmer
coder
technologist
being software_engineer
physical_entity computer_programmer
hacker
applied_scientist
somebody soul
unit
engineer
living_thing individual
computer_user
person someone
organism
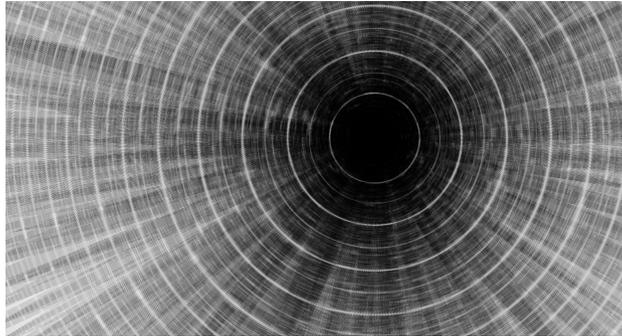animate_thing
physical_object

Figure 3:

4

Figure 4: knowledge system with round about 1k concepts

Making knowledge

Lets start to render something simple like fiction

```
AI::MicroStructure::ObjectSet  {
    public methods (11) : check, decruft, domain, final, includes, includes_name, insert, me
    private methods (0)
    internals: {
        fiction             AI::MicroStructure::Object,
        fictional           AI::MicroStructure::Object,
        fictional_animal    AI::MicroStructure::Object,
        fictional_character AI::MicroStructure::Object,
        fictionalisation    AI::MicroStructure::Object,
        fictionalise        AI::MicroStructure::Object,
        fictionalization    AI::MicroStructure::Object,
        fictionalize        AI::MicroStructure::Object,
        micro               [],
        obj                 {
            center  {
                fiction                     1,
                fictional                   2,
                fictional_animal            3,
                fictional_character         3,
                fictional_(vs._nonfictional) 2,
                fictionalisation            3,
                fictionalise                3,
                fictionalization            3,
                fictionalize                3,
                science_fiction             2
            },
            dense   {
                fictional_animal     3,
```

```
            fictional_character   3,
            fictionalisation      3,
            fictionalise          3,
            fictionalization      3,
            fictionalize          3
        },
        domain    "fiction_5641b1121c44f4929fde6b274d164e60",
        IN        [],
        max       3,
        mean      2.3,
        menu      {
            fictional_animal      3,
            fictional_character   3,
            fictionalisation      3,
            fictionalise          3,
            fictionalization      3,
            fictionalize          3
        },
        min       3
    },
    science_fiction        AI::MicroStructure::Object
  }
}

real    0m0.163s
user    0m0.140s
sys     0m0.016s

So we would now have a seed knowledge system which we could expand from
```

synthetic Knowledge from Thought
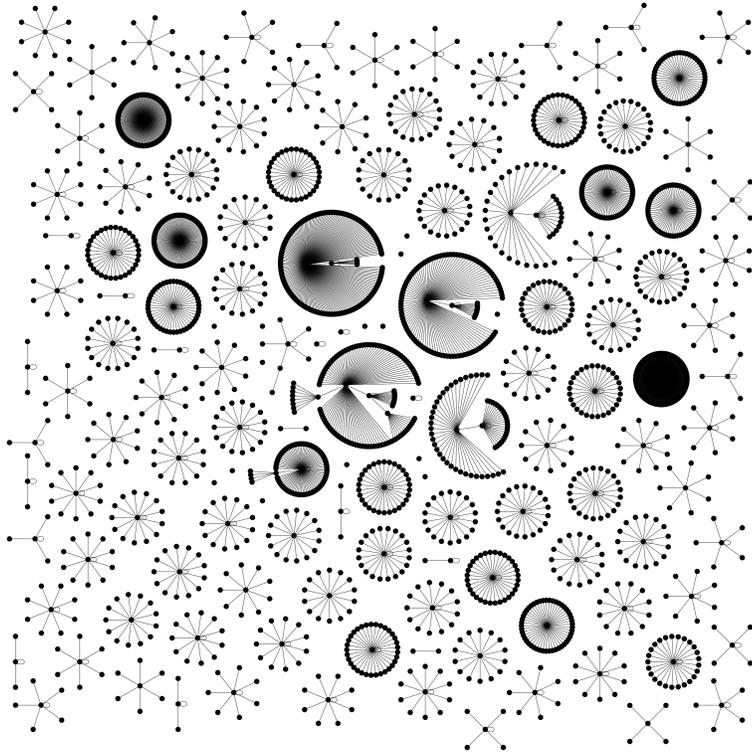
common character [w]

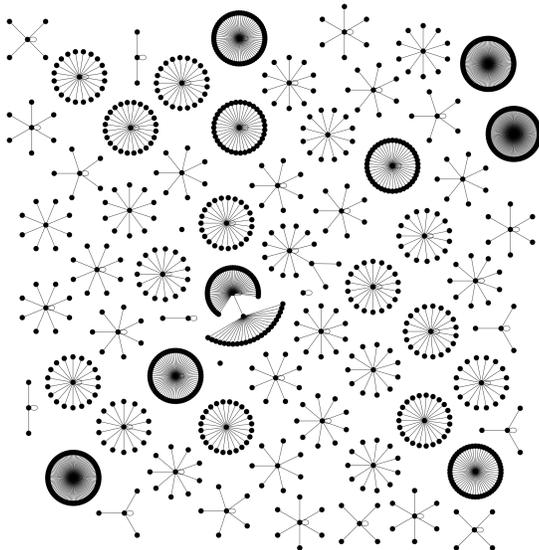## Copyright

Figure 5: a random generation of unrelated concepts

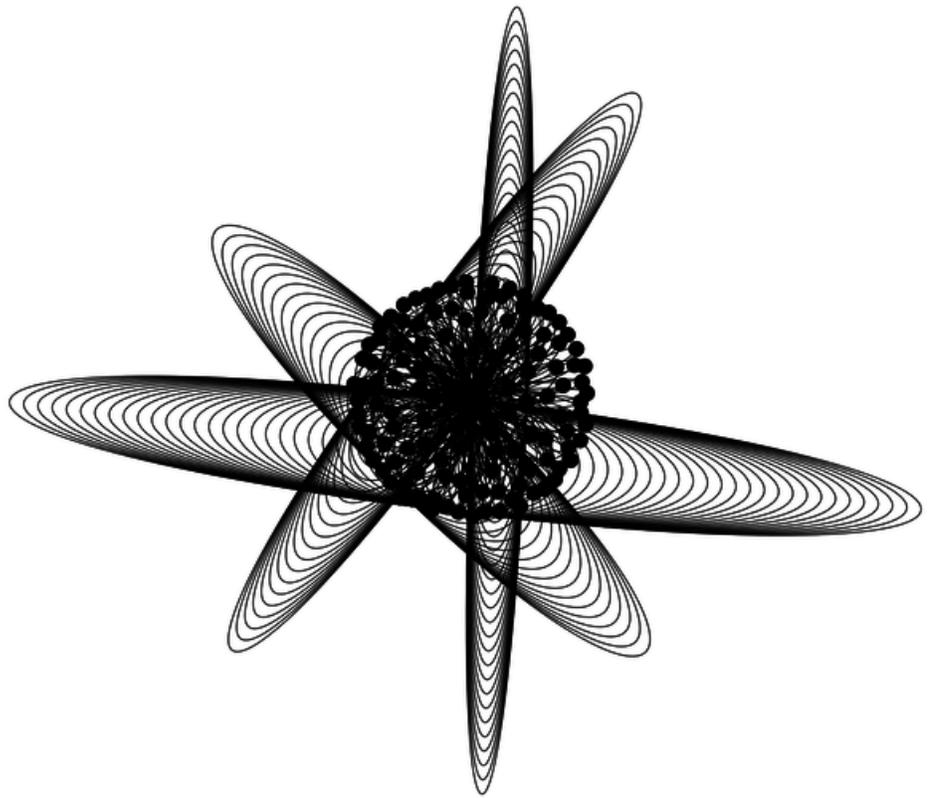Figure 6: a random generation of unrelated concepts

Figure 7:

Figure 8: