It's never Black and White

Ever been stuck at a boring wedding party?

We are taking your pain away.
Sorry... Patent pending
How to get the right data?
We asked these guys:
But we will ask for the user's permission to reuse their data first:

We assume these data to be structured in the rest of the presentation.
The problem

Suggesting groups of participants according to their profiles
The solution

Machine learning
→ old problem, good solution.
The problem²

The algorithms are great,
But the data is not in place.
Similarity computation

How to compute similarity between datatype values?

Using string (edit distance, q-grams, …) or numerical similarity measures. → syntactic

How to compute similarity between objects?

Using DBpedia categories to find a path between the objects in the RDF graph. → semantic
Use case: RDF Graph

Diagram showing relationships between RDF entities such as Metallica, Dream Theater, and Progressive Metal, with properties like likesBand and stylisticOrigins.
“Life itself is your teacher, and you are in a state of constant learning.”

— Bruce Lee