

## Taxonomy Construction

## Generation User Profile

### Process Dataset

**“Question”:** “Given cuisine affinities {Chinese 0.3, Indian 0.2, Italian 0.4, Thai 0.2, American 0.1}, which restaurant would the user prefer: 1. Montecatini Ristorante (Italian), 2. Amarin Thai (Thai), 3. Panda Express (Chinese), 4. Naan n Curry (Indian), 5. Sideboard (American)?”

**“Answer”:** “Montecatini Ristorante, because Italian (0.4) is the user’s top affinity.”

### Extract Attributes

Hobbies, Interests, and Lifestyle.Cuisine.AffinityDistribution

Hobbies, Interests, and Lifestyle.Culinary Preferences.TopCuisine

.....

Format: X.Y.Z

### All Attributes (X.Y.Z)



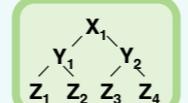
#### Filter Attributes

Career and Work Identity.AppDevelopment.ProjectGoals ✗  
(NOT a personalized attribute)

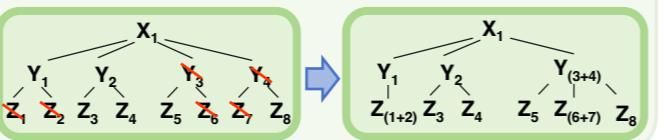
Psychological and Cognitive Aspects.MentalHealth.Anxiety ✗  
(Not a suitable sub-attribute)

Hobbies, Interests, and Lifestyle.Cuisine.AffinityDistribution ✗

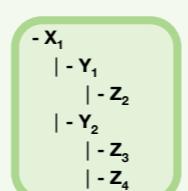
#### Format: X.Y.Z



#### Merge Attributes



#### Filter and Format Attributes



#### Attributes Tree

- X<sub>1</sub>  
| - Y<sub>1</sub>  
| - Z<sub>2</sub>  
- X<sub>2</sub>  
| - Y<sub>1</sub>  
| - Z<sub>1</sub>  
| - Y<sub>2</sub>  
| - Z<sub>1</sub>  
| - Z<sub>2</sub>  
- X<sub>3</sub>  
| - Y<sub>1</sub>  
| - Z<sub>1</sub>  
| - Z<sub>2</sub>

#### Anchor Attributes

"age\_info":  
"location":  
"career\_info":  
"personal\_values":  
"life\_attitude":  
"personal\_story":  
"interests":

#### Attributes Subtree

✓ - X<sub>1</sub>  
| - Y<sub>1</sub>  
| - Z<sub>2</sub>  
✓ - X<sub>2</sub>  
| - Y<sub>1</sub>  
| - Z<sub>1</sub>  
✓ - Y<sub>2</sub>  
| - Z<sub>1</sub>  
| - Z<sub>2</sub>  
✓ - X<sub>3</sub>  
| - Y<sub>1</sub>  
| - Z<sub>1</sub>  
| - Z<sub>2</sub>



personal\_story

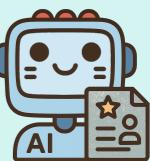
Demographic Information (X<sub>1</sub>)

Career and Work Identity (X<sub>2</sub>)

Values, Beliefs, and Life Attitude (X<sub>3</sub>)

Hobbies and Interests (X<sub>4</sub>)

Others(X<sub>n</sub>)



**“Demographic Information” :** {.....}

**“Career and Work Identity” :** {.....}

**“Core Values, Beliefs, and Philosophy” :** {.....}

**“Lifestyle and Daily Routine and Cultural and Social Context” :** {.....}

**“Hobbies, Interests, and Lifestyle interests” :** {.....}

**“xxxxxxxxxx” :** {.....}

**“Summary”:** Each morning, I take a slow walk through the cobblestone streets of Innere Stadt, letting the quiet hum of Vienna’s historic district settle my mind before the day begins. Living in a traditional townhouse here means I’m surrounded by centuries of art and architecture, a constant reminder of the responsibility I carry in my work. As an assistant in art restoration, my days are spent carefully peeling back layers of time, whether it’s delicate 18th-century frescoes or intricate woodwork, always mindful of preserving the original spirit while navigating the challenges that come with aging materials.\n\nI often find myself caught between tradition and innovation.....”