

# Project

## 1. Properties

- Project
  - » Name: FitLife
  - » Description: Not specified

## Input specification

### 1. Input data

- Data
  - » Records: 500
  - » Attributes: 18

### 2. Attributes and transformations

- Insensitive attributes
  - » Progress: String
  - » Fitness Goals: String
  - » Features Used: String
  - » Dietary Preference: String
  - » App Time(minutes): Integer
- Sensitive attributes
  - » Content Preference: String
  - » Interaction: String
  - » Workout Duration: Integer
  - » Workout Type: String
  - » Height(cm): Integer
  - » Weight(kg): Integer
  - » Workout Frequency: Integer
  - » Allergies: String
  - » BMI: Decimal
- Identifying attributes
  - » Name: String
- Quasi-identifying attributes
  - » Gender: String
  - » Age: Integer
  - » Location: String
- Response variables
  - » None
- Generalization hierarchy
  - » Attribute: Progress
- Generalization hierarchy
  - » Attribute: Content Preference
  - » Height: 2
- Generalization hierarchy
  - » Attribute: Fitness Goals
- Generalization hierarchy
  - » Attribute: Features Used
- Generalization hierarchy
  - » Attribute: Interaction

- » Height: 2
- Generalization hierarchy
  - » Attribute: Gender
  - » Height: 2
  - » Minimum level: 0
  - » Maximum level: 1
- Generalization hierarchy
  - » Attribute: Height(cm)
  - » Height: 7
- Generalization hierarchy
  - » Attribute: Allergies
  - » Height: 2
- Generalization hierarchy
  - » Attribute: App Time(minutes)
  - » Height: 7
- Generalization hierarchy
  - » Attribute: Weight(kg)
  - » Height: 7
- Generalization hierarchy
  - » Attribute: Age
  - » Height: 7
  - » Minimum level: 0
  - » Maximum level: 6
- Generalization hierarchy
  - » Attribute: BMI
  - » Height: 9
- Generalization hierarchy
  - » Attribute: Location
  - » Height: 67
  - » Minimum level: 0
  - » Maximum level: 66

### 3. Configuration

- Weights
  - » Progress: 0.5
  - » Content Preference: 0.5
  - » Fitness Goals: 0.5
  - » Features Used: 0.5
  - » Interaction: 0.5
  - » Gender: 0.5
  - » Height(cm): 0.5
  - » Allergies: 0.5
  - » App Time(minutes): 0.5
  - » Weight(kg): 0.5
  - » Age: 0.5
  - » Location: 0.5
  - » BMI: 0.5
- Settings
  - » Assume monotonicity: No
  - » Suppression limit: 0.1
- Risk thresholds
  - » Prosecutor risk: 0.1

- » Journalist risk: 0.1
- » Marketer risk: 0.1

## Output properties

### 1. Output data

- Data
  - » Records: 500
  - » Attributes: 18
- Checksum
  - » SHA-256:  
de1ccf806e3db2529d299449860aebd01cb7909027afdb2c8b9a0f9a8f23a7b3

### 2. Solutions

- Search space
  - » Size: 938
  - » Materialized: 938

### 3. Transformation

- Transformation
  - » Anonymity: Yes
  - » Minimum information loss: 1.0
  - » Maximum information loss: 1.0
    - Generalization scheme
      - » Age: 6/6
      - » Location: 66/66
      - » Gender: 1/1

### 4. Data quality model

- Loss
  - » Aggregate function: Geometric mean
  - » Monotonic: No
  - » Generalization factor: 1.0
  - » Suppression factor: 1.0

### 5. Privacy models

- Distinct I-diversity
  - » Attribute: Allergies
  - » Threshold (I): 3
- k-Anonymity
  - » Threshold (k): 10
- t-Closeness
  - » Attribute: Workout Duration
  - » Threshold (t): 0.4
  - » Distance: Equal
- Distinct I-diversity
  - » Attribute: Workout Frequency
  - » Threshold (I): 7
- t-Closeness
  - » Attribute: Weight(kg)
  - » Threshold (t): 0.3

- » Distance: Equal
- Distinct I-diversity
  - » Attribute: Workout Type
  - » Threshold (I): 3
- t-Closeness
  - » Attribute: Height(cm)
  - » Threshold (t): 0.4
  - » Distance: Equal
- Distinct I-diversity
  - » Attribute: Interaction
  - » Threshold (I): 3
- t-Closeness
  - » Attribute: BMI
  - » Threshold (t): 0.4
  - » Distance: Equal
- Distinct I-diversity
  - » Attribute: Content Preference
  - » Threshold (I): 3

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