Project

1. Properties
- Project
  - » Name: FitLife
  - » Description: Data Privacy By Design Project- FitLife

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
  - » Height(cm): Integer
  - » Workout Type: String
  - » Weight(kg): Integer
  - » Allergies: String
  - » Workout Frequency: Integer
  - » BMI: Decimal
- Identifying attributes
  - » Name: String
- Quasi-identifying attributes
  - » Gender: String
  - » Age: Integer
  - » Location: String
- Response variables
  - » None
- Generalization hierarchy
  - » Attribute: Gender
  - » Height: 2
  - » Minimum level: 0
  - » Maximum level: 1
- Generalization hierarchy
  - » Attribute: Age
  - » Height: 4
  - » Minimum level: 0
  - » Maximum level: 3
- Generalization hierarchy

» Attribute: Location
» Height: 67
» Minimum level: 0
» Maximum level: 66

3. Configuration
- Weights
  - » Age: 0.5
  - » Gender: 0.5
  - » Location: 0.5
- Settings
  - » Assume monotonicity: No
  - » Suppression limit: 0.0
- 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:
    209bac771fb3f4ccc8f144608c50f356f6d822bdfbc1053acb9a3d515a8d88e8

2. Solutions
- Search space
  - » Size: 536
  - » Materialized: 19

3. Transformation
- Transformation
  - » Anonymity: Yes
  - » Minimum information loss: 0.3837163885178827
  - » Maximum information loss: 0.3837163885178827
    - Generalization scheme
      - » Age: 2/3
      - » Location: 66/66
      - » Gender: 0/1

4. Data quality model
- Loss
  - » Aggregate function: Geometric mean
  - » Monotonic: Yes
  - » Generalization factor: 1.0
  - » Suppression factor: 1.0

5. Privacy models

- k-Anonymity
    - » Threshold (k): 10
- Distinct l-diversity
    - » Attribute: BMI
    - » Threshold (l): 3
- Distinct l-diversity
    - » Attribute: Height(cm)
    - » Threshold (l): 3
- Distinct l-diversity
    - » Attribute: Content Preference
    - » Threshold (l): 3
- Distinct l-diversity
    - » Attribute: Workout Type
    - » Threshold (l): 3
- Distinct l-diversity
    - » Attribute: Interaction
    - » Threshold (l): 3
- Distinct l-diversity
    - » Attribute: Allergies
    - » Threshold (l): 5
- Distinct l-diversity
    - » Attribute: Weight(kg)
    - » Threshold (l): 3
- Distinct l-diversity
    - » Attribute: Workout Duration
    - » Threshold (l): 3
- Distinct l-diversity
    - » Attribute: Workout Frequency
    - » Threshold (l): 3