Project

1. Properties
- Project
  - » Name: scenario_detailed
  - » Description: Not specified

Input specification

1. Input data
- Data
  - » Records: 32561
  - » Attributes: 15

2. Attributes and transformations
- Insensitive attributes
  - » income: String
- Sensitive attributes
  - » capital-loss: Integer
  - » race: String
  - » capitical-gain: Integer
  - » fnlwgt: Integer
- Identifying attributes
  - » None
- Quasi-identifying attributes
  - » education: String
  - » occupation: String
  - » native-country: String
  - » education-num: Integer
  - » sex: String
  - » hours-per-week: Integer
  - » work-class: String
  - » marital-status: String
  - » relationship: String
  - » age: Integer
- Response variables
  - » None
- Generalization hierarchy
  - » Attribute: education
  - » Height: 5
  - » Minimum level: 0
  - » Maximum level: 4
- Generalization hierarchy
  - » Attribute: occupation
  - » Height: 5
  - » Minimum level: 0
  - » Maximum level: 4
- Generalization hierarchy
  - » Attribute: native-country
  - » Height: 4

» Minimum level: 0
» Maximum level: 3
- Generalization hierarchy
  » Attribute: sex
  » Height: 2
  » Minimum level: 0
  » Maximum level: 1
- Generalization hierarchy
  » Attribute: hours-per-week
  » Height: 8
  » Minimum level: 0
  » Maximum level: 7
- Generalization hierarchy
  » Attribute: education-num
  » Height: 6
  » Minimum level: 0
  » Maximum level: 5
- Generalization hierarchy
  » Attribute: work-class
  » Height: 4
  » Minimum level: 0
  » Maximum level: 3
- Generalization hierarchy
  » Attribute: marital-status
  » Height: 3
  » Minimum level: 0
  » Maximum level: 2
- Generalization hierarchy
  » Attribute: relationship
  » Height: 3
  » Minimum level: 0
  » Maximum level: 2
- Generalization hierarchy
  » Attribute: age
  » Height: 8
  » Minimum level: 0
  » Maximum level: 7

3. Configuration
- Weights
  » education: 0.5
  » occupation: 0.5
  » education-num: 0.5
  » native-country: 0.5
  » sex: 0.5
  » hours-per-week: 0.5
  » work-class: 0.5
  » marital-status: 0.5
  » relationship: 0.5
  » age: 0.5
- Settings
  » Assume monotonicity: No

» Suppression limit: 0.1
- Risk thresholds
    » Prosecutor risk: 0.05
    » Journalist risk: 0.05
    » Marketer risk: 0.05

Output properties

1. Output data
- Data
    » Records: 32561
    » Attributes: 15
- Checksum
    » SHA-256: e8dae90435a67f485a81b2484552b573d801259e3785b87c5c2c7d40803509ab

2. Solutions
- Search space
    » Size: 2764800
    » Materialized: 15004

3. Transformation
- Transformation
    » Anonymity: Yes
    » Minimum information loss: 0.5650048326132093
    » Maximum information loss: 0.5650048326132093
        - Generalization scheme
            » age: 5/7
            » work-class: 3/3
            » education: 1/4
            » education-num: 2/5
            » marital-status: 1/2
            » occupation: 4/4
            » relationship: 1/2
            » sex: 1/1
            » hours-per-week: 6/7
            » native-country: 2/3

4. Data quality model
- Loss
    » Aggregate function: Geometric mean
    » Monotonic: No
    » Generalization factor: 1.0
    » Suppression factor: 1.0

5. Privacy models
- Distinct l-diversity
    » Attribute: capital-loss
    » Threshold (l): 4
- Distinct l-diversity
    » Attribute: race

» Threshold (l): 3
- Distinct l-diversity
  » Attribute: capitical-gain
  » Threshold (l): 4
- Distinct l-diversity
  » Attribute: fnlwgt
  » Threshold (l): 5
- k-Anonymity
  » Threshold (k): 20