Project

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

Input specification

1. Input data
- Data
  - » Records: 32561
  - » Attributes: 14

2. Attributes and transformations
- Insensitive attributes
  - » income: String
- Sensitive attributes
  - » capital-loss: Integer
  - » race: String
  - » capitical-gain: 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
  - » race: 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: 0.02
  - » Journalist risk: 0.02
  - » Marketer risk: 0.02

Output properties

1. Output data
- Data
  - » Records: 32561
  - » Attributes: 14
- Checksum
  - » SHA-256: 574c688728e6863977c1935b41ca7825fc7fe68a9062622252cb017b266df1ef

2. Solutions
- Search space
  - » Size: 2764800
  - » Materialized: 55345

3. Transformation
- Transformation
  - » Anonymity: Yes
  - » Minimum information loss: 0.537942133181464
  - » Maximum information loss: 0.537942133181464
    - Generalization scheme
      - » age: 6/7
      - » work-class: 3/3
      - » education: 2/4
      - » education-num: 2/5
      - » marital-status: 1/2
      - » occupation: 4/4
      - » relationship: 0/2
      - » sex: 0/1
      - » hours-per-week: 5/7
      - » native-country: 3/3

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: capitical-gain
  - » Threshold (l): 4
- Distinct l-diversity
  - » Attribute: capital-loss

» Threshold (l): 4
- Distinct l-diversity
  - » Attribute: race
  - » Threshold (l): 5
- k-Anonymity
  - » Threshold (k): 50