

Input specification

1. Input data

- Data
 - » Records: 30162
 - » Attributes: 9

2. Attributes and transformations

- Insensitive attributes
 - » None
- Sensitive attributes
 - » None
- Identifying attributes
 - » None
- Quasi-identifying attributes
 - » education: String
 - » workclass: String
 - » occupation: String
 - » salary-class: String
 - » race: String
 - » native-country: String
 - » sex: String
 - » marital-status: String
 - » age: String
- Response variables
 - » None
- Generalization hierarchy
 - » Attribute: education
 - » Height: 4
 - » Minimum level: 0
 - » Maximum level: 3
- Generalization hierarchy
 - » Attribute: workclass
 - » Height: 3
 - » Minimum level: 0
 - » Maximum level: 2
- Generalization hierarchy
 - » Attribute: occupation
 - » Height: 3
 - » Minimum level: 0
 - » Maximum level: 2
- Generalization hierarchy
 - » Attribute: salary-class
 - » Height: 2
 - » Minimum level: 0
 - » Maximum level: 1
- Generalization hierarchy
 - » Attribute: race
 - » Height: 2
 - » Minimum level: 0
 - » Maximum level: 1

- Generalization hierarchy
 - » Attribute: native-country
 - » Height: 3
 - » Minimum level: 0
 - » Maximum level: 2
- Generalization hierarchy
 - » Attribute: sex
 - » Height: 2
 - » Minimum level: 0
 - » Maximum level: 1
- Generalization hierarchy
 - » Attribute: marital-status
 - » Height: 3
 - » Minimum level: 0
 - » Maximum level: 2
- Generalization hierarchy
 - » Attribute: age
 - » Height: 5
 - » Minimum level: 0
 - » Maximum level: 4

3. Configuration

- Weights
 - » education: 0.5
 - » workclass: 0.5
 - » occupation: 0.5
 - » salary-class: 0.5
 - » race: 0.5
 - » native-country: 0.5
 - » sex: 0.5
 - » marital-status: 0.5
 - » age: 0.5
- Settings
 - » Assume monotonicity: No
 - » Suppression limit: 1.0
- Risk thresholds
 - » Prosecutor risk: 0.3333333333333333
 - » Journalist risk: 0.3333333333333333
 - » Marketer risk: 0.3333333333333333

Output properties

1. Output data

- Data
 - » Records: 30162
 - » Attributes: 9
- Checksum
 - » SHA-256:
457f975c135ce6d65818cccdb74ffb0127d9c3f9b77798d5e3a53f5177c1ae15

2. Solutions

- Search space
 - » Size: 12960
 - » Materialized: 3466

3. Transformation

- Transformation
 - » Anonymity: Yes
 - » Minimum information loss: 0.19089016600687803
 - » Maximum information loss: 0.19089016600687803
 - Generalization scheme
 - » sex: 0/1
 - » age: 3/4
 - » race: 0/1
 - » marital-status: 0/2
 - » education: 2/3
 - » native-country: 1/2
 - » workclass: 0/2
 - » occupation: 1/2
 - » salary-class: 0/1

4. Data quality model

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

5. Privacy models

- k-Anonymity
 - » Threshold (k): 3