

Input specification

1. Input data

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

2. Attributes and transformations

- Insensitive attributes
 - » None
- Sensitive attributes
 - » education: String
- Identifying attributes
 - » None
- Quasi-identifying attributes
 - » 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: 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: 0.09090909090909091
 - » Journalist risk: 0.09090909090909091
 - » Marketer risk: 0.09090909090909091

Output properties

1. Output data

- Data
 - » Records: 30162
 - » Attributes: 9
- Checksum
 - » SHA-256:
6dc672c98a9ac7b55c77ad99a63a096df28734546901c58fbd68f21851a181fd

2. Solutions

- Search space
 - » Size: 3240
 - » Materialized: 3240

3. Transformation

- Transformation

- » Anonymity: Yes
- » Minimum information loss: 0.21176707834841357
- » Maximum information loss: 0.21176707834841357
 - Generalization scheme
 - » sex: 0/1
 - » age: 3/4
 - » race: 0/1
 - » marital-status: 0/2
 - » native-country: 1/2
 - » workclass: 1/2
 - » 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

- t-Closeness
 - » Attribute: education
 - » Threshold (t): 0.5
 - » Distance: Hierarchical
- k-Anonymity
 - » Threshold (k): 11