

Project

1. Properties

- Project
 - » Name: scenarioadetailed
 - » 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: 0.06666666666666667
 - » Journalist risk: 0.06666666666666667
 - » Marketer risk: 0.06666666666666667

Output properties

1. Output data

- Data
 - » Records: 32561
 - » Attributes: 15
- Checksum
 - » SHA-256:
e8dae90435a67f485a81b2484552b573d801259e3785b87c5c2c7d40803509ab

2. Solutions

- Search space
 - » Size: 2764800
 - » Materialized: 16383

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 I-diversity
 - » Attribute: capital-loss
 - » Threshold (I): 4
- k-Anonymity
 - » Threshold (k): 15

- Distinct I-diversity
 - » Attribute: fnlwgt
 - » Threshold (I): 5
- Distinct I-diversity
 - » Attribute: capital-gain
 - » Threshold (I): 4
- Distinct I-diversity
 - » Attribute: race
 - » Threshold (I): 3

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