

Project

1. Properties

- Project
 - » Name: scenario**b**coarse
 - » Description: Not specified

Input specification

1. Input data

- Data
 - » Records: 32561
 - » Attributes: 15

2. Attributes and transformations

- Insensitive attributes
 - » income: String
- Sensitive attributes
 - » None
- Identifying attributes
 - » None
- Quasi-identifying attributes
 - » capital-loss: Integer
 - » education: String
 - » occupation: String
 - » race: String
 - » native-country: String
 - » capital-gain: Integer
 - » sex: String
 - » hours-per-week: Integer
 - » fnlwgt: Integer
 - » education-num: Integer
 - » work-class: String
 - » marital-status: String
 - » relationship: String
 - » age: Integer
- Response variables
 - » None
- Generalization hierarchy
 - » Attribute: capital-loss
 - » Height: 4
 - » Minimum level: 0
 - » Maximum level: 3
- Generalization hierarchy
 - » Attribute: education
 - » Height: 3
 - » Minimum level: 0
 - » Maximum level: 2
- Generalization hierarchy
 - » Attribute: occupation

- » Height: 4
- » Minimum level: 0
- » Maximum level: 3
- 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: capital-gain
 - » 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: 5
 - » Minimum level: 0
 - » Maximum level: 4
- Generalization hierarchy
 - » Attribute: fnlwgt
 - » Height: 4
 - » Minimum level: 0
 - » Maximum level: 3
- Generalization hierarchy
 - » Attribute: education-num
 - » Height: 4
 - » Minimum level: 0
 - » Maximum level: 3
- Generalization hierarchy
 - » Attribute: work-class
 - » Height: 3
 - » Minimum level: 0
 - » Maximum level: 2
- 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: 5
 - » Minimum level: 0
 - » Maximum level: 4

3. Configuration

- Weights
 - » income: 0.5
 - » capital-loss: 0.5
 - » education: 0.5
 - » occupation: 0.5
 - » race: 0.5
 - » native-country: 0.5
 - » capital-gain: 0.5
 - » sex: 0.5
 - » hours-per-week: 0.5
 - » fnlwgt: 0.5
 - » education-num: 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: 0.025
 - » Journalist risk: 0.025
 - » Marketer risk: 0.025

Output properties

1. Output data

- Data
 - » Records: 32561
 - » Attributes: 15
- Checksum
 - » SHA-256:
82cb309895697be41fb94525f4d582bfec916bc38b2236605b3b0d15c7cef59a

2. Solutions

- Search space
 - » Size: 24883200
 - » Materialized: 60751

3. Transformation

- Transformation
 - » Anonymity: Yes
 - » Minimum information loss: 0.5398810842278876

» Maximum information loss: 0.5398810842278876

- Generalization scheme

- » age: 4/4
- » work-class: 2/2
- » fnlwgt: 3/3
- » education: 1/2
- » education-num: 2/3
- » marital-status: 1/2
- » occupation: 3/3
- » relationship: 0/2
- » race: 0/1
- » sex: 0/1
- » capital-gain: 3/3
- » capital-loss: 0/3
- » hours-per-week: 4/4
- » native-country: 1/2

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): 40