

BDS TASK Ipfs and Anonymization

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CB.EN.P2AID19023

IPFS



```
> raakesh : bas
File Edit View Bookmarks Settings Help
raakesh@raakesh-m:~$ ipfs init
initializing IPFS node at /home/raakesh/.ipfs
Error: ipfs configuration file already exists!
Reinitializing would overwrite your keys.

raakesh@raakesh-m:~$ ipfs cat /ipfs/QmS4ustL54uo8FzR9455qaxZwuMiUhyvMcX9Ba8nUH4uVv/readme
Hello and Welcome to IPFS!

IPFS

If you're seeing this, you have successfully installed
IPFS and are now interfacing with the ipfs merkledag!

-----
| Warning:
| This is alpha software. Use at your own discretion!
| Much is missing or lacking polish. There are bugs.
| Not yet secure. Read the security notes for more.
| -----

Check out some of the other files in this directory:

./about
./help
./quick-start    <-- usage examples
./readme         <-- this file
./security-notes

raakesh@raakesh-m:~$ gpg --gen-key
gpg (GnuPG) 2.2.4; Copyright (C) 2017 Free Software Foundation, Inc.
```

IPFS KEY GEN

```
raakesh@raakesh-m:~$ gpg --gen-key
gpg (GnuPG) 2.2.4; Copyright (C) 2017 Free Software Foundation, Inc.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.

Note: Use "gpg --full-generate-key" for a full featured key generation dialog.

GnuPG needs to construct a user ID to identify your key.

Real name: Dragon
Email address: cb.en.p2aid19023@cb.students.amrita.edu
You selected this USER-ID:
    "Dragon <cb.en.p2aid19023@cb.students.amrita.edu>"

Change (N)ame, (E)mail, or (O)kay/(Q)uit? o
We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
disks) during the prime generation; this gives the random number
generator a better chance to gain enough entropy.
We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
disks) during the prime generation; this gives the random number
generator a better chance to gain enough entropy.
gpg: key A38C969301C4C204 marked as ultimately trusted
gpg: revocation certificate stored as '/home/raakesh/.gnupg/openpgp-revocs.d/46DA2D012D052B12924F2A56A38C969301C4C204.rev'
public and secret key created and signed.

pub  rsa3072 2020-11-09 [SC] [expires: 2022-11-09]
     46DA2D012D052B12924F2A56A38C969301C4C204
uid                               Dragon <cb.en.p2aid19023@cb.students.amrita.edu>
sub  rsa3072 2020-11-09 [E] [expires: 2022-11-09]

raakesh@raakesh-m:~$
```


Anonymization

Amnesia | Dataset Wizard - Google Chrome

My Drive - Google Drive CB.EN.P2AID19023 - Google D Amnesia | Dataset Wizard

amnesia.openaire.eu/amnesia/mywizard.html

Dataset Load

1. Delimiter 2. Variables

Choose delimiter

This is how the dataset looks like :

dt, LandAverageTemperature, LandAverageTemperatureUncertainty, LandMaxTemperature, L
1750-01-01,3.0340000000000003,3.574,,,,,
1750-02-01,3.083,3.702,,,,,
1750-03-01,5.626,3.076,,,,,

Delimiter *

DataSet Type : Simple table

Amnesia | Dataset Wizard - Google Chrome

My Drive - Google Drive CB.EN.P2AID19023 - Google Amnesia | Dataset Wizard +

← → ↻ amnesia.openaire.eu/amnesia/mywizard.html

1. Delimiter

2. Variables

What type is your data?

Toggle All ☒

Choose the columns and their types.

dt <input checked="" type="checkbox"/>	LandAverageTemperature <input checked="" type="checkbox"/>	LandAverageTemperatureUncertainty <input checked="" type="checkbox"/>	LandMaxTemperature <input checked="" type="checkbox"/>	LandMaxTem
date ▾	decimal ▾	decimal ▾	string ▾	string ▾
1750-02-01	3.083	3.702		
1750-03-01	5.626	3.076		
1750-04-01	8.49	2.451		
1750-05-01	11.573	2.072		
1750-06-01	12.937000000000001	1.724		

Previous

Finish

Cancel

Anonymization Wizard

Restart

Source ▾

Manage

Load From Local

Load From Zenodo

Anonymized <

Hierarchy <

Algorithms

Solution Graph

Results

Amnesia Site

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Show 10 entries

dt	LandAverageTemperature	LandAverageTemperatureUncertainty	LandMaxTemperature	LandMaxTemperatureUncertainty	LandMinTemp
16/10/0005	3.0340000000000003	3.574			
16/11/0005	3.083	3.702			
14/12/0005	5.626	3.076			
14/01/0006	8.49	2.451			
13/02/0006	11.573	2.072			
16/03/0006	12.937000000000001	1.724			
15/04/0006	15.868	1.911			
16/05/0006	14.75	2.231			
16/06/0006	11.412999999999998	2.637			
16/07/0006	6.366999999999999	2.668			

Showing 1 to 10 of 3,192 entries

Previous 1 2 3 4 5 ... 320 Next



Check Anonymization Proceed to Hierarchies

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amnesia.openaire.eu/amnesia/mydataset.html

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Amnesia Site

Check if dataset is Anonymous

Choose attributes :

☒ dt

☒ LandAverageTemperature

☐ LandAverageTemperatureUncertainty

☒ LandMaxTemperature

☐ LandMaxTemperatureUncertainty

☒ LandMinTemperature

☐ LandMinTemperatureUncertainty

☐ LandAndOceanAverageTemperature

☐ LandAndOceanAverageTemperatureUncertainty

Choose K :

3

Close

Show Anonymization

Uncertainty

LandMinTemper

3

4

5

...

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Check Anonymization

Proceed to Hierarchies

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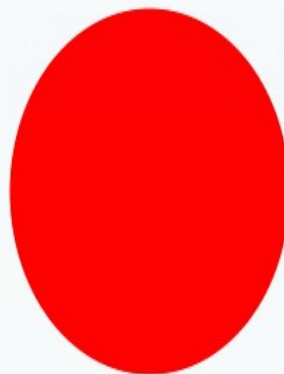
Amnesia Site

Check if dataset is Anonymous

"dt, LandAverageTemperature, LandMaxTemperature, LandMinTemperature" is anonymous for $k : 1$.

Percentage of displayed dataset is : 100%

To produce a $k = 3$ suppress 100%




Close

Suppress

Apply

Check Anonymization

Proceed to Hierarchies



amnesia

Anonymization Wizard

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Hierarchy Autogenerate Wizard

version:1.2.1 beta

Hierarchy Autogenerate

1. Choose Attribute and Hierarchy Type

2. Hierarchy Info

Choose Attribute

On Attribute

dt

Type

range

VarType

Date


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Cancel







Anonymization Wizard

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Anonymized <

Hierarchy >

Manage

Load from Local

Auto Generate

Algorithms

Hierarchy Autogenerate Wizard

version:1.2.1 beta

Hierarchy Autogenerate

1. Choose Attribute and Hierarchy Type

2. Hierarchy Info

Choose Attribute

On Attribute

LandAverageTemperatureUncertainty

Type

distinct

VarType

Decimal

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Amnesia | Autogenerate Wizard - Google Chrome

My Drive - Google Drive CB.EN.P2AID19023 - Google D Amnesia | Autogenerate Wiz +

← → ↻ 🔒 amnesia.openaire.eu/amnesia/myhierarchywizard.html ☆ R +



amnesia

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Hierarchy Autogenerate Wizard

version:1.2.1 beta

Hierarchy Autogenerate

1. Choose Attribute and Hierarchy Type

2. Hierarchy Info

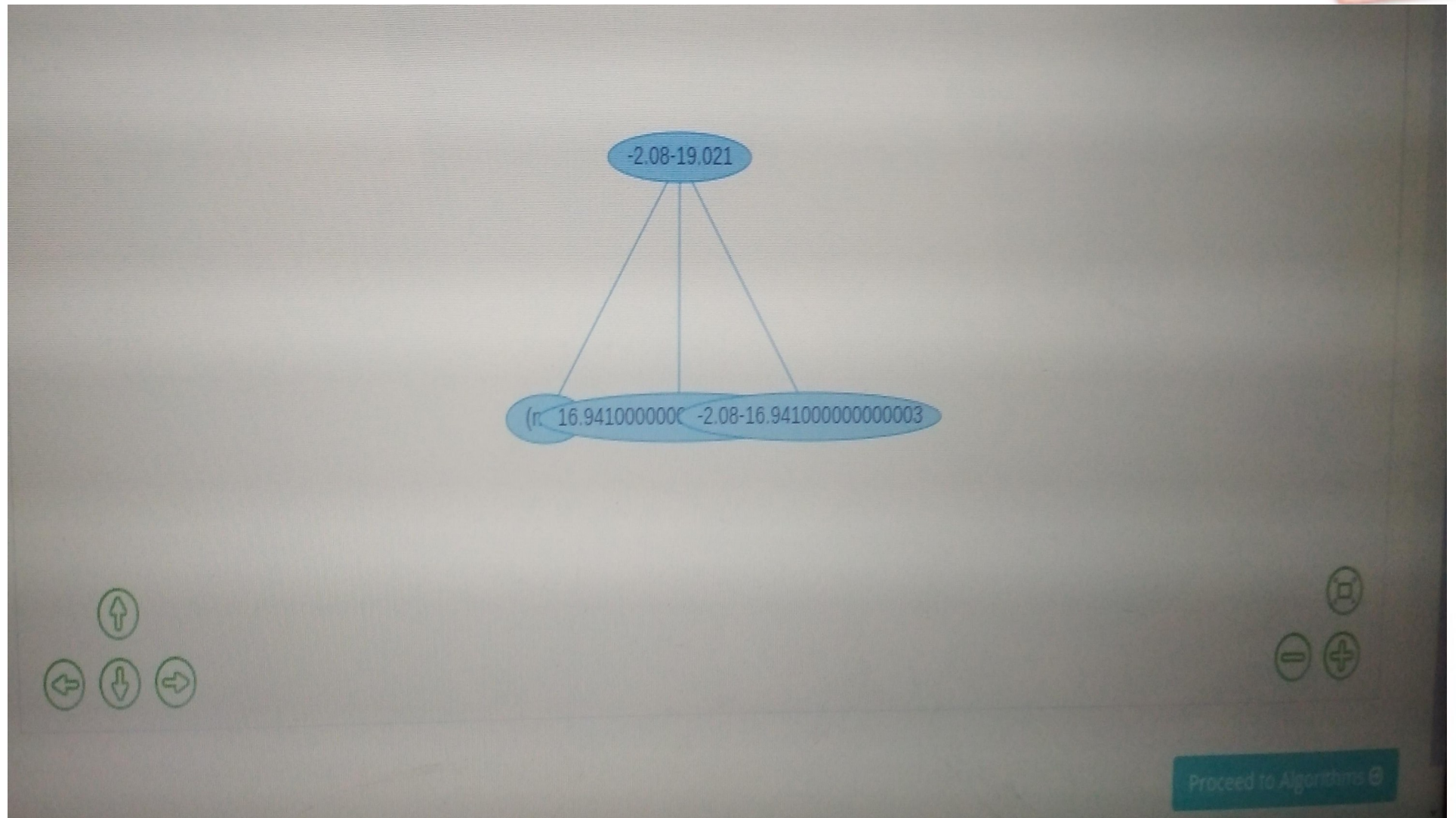
Hierarchy Information

Sorting	<input type="text" value="numeric"/>
Name	<input type="text" value="L"/>
Fanout	<input type="text" value="25"/>

Previous

Finish

Cancel



Amnesia | Results - Google Chrome

My Drive - Google Drive CB.EN.P2AID19023 - Google Amnesia | Results +

← → ↻ amnesia.openaire.eu/amnesia/myresults.html ☆ R

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DataSet

Showing 1 to 10 of 3,192 entries

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dt	LandAverageTemperature	LandAverageTemperatureUnce
16/10/0005	3.0340000000000003	3.574
16/11/0005	3.083	3.702
14/12/0005	5.626	3.076
14/01/0006	8.49	2.451
13/02/0006	11.573	2.072
16/03/0006	12.937000000000001	1.724
15/04/0006	15.868	1.911
16/05/0006	14.75	2.231
16/06/0006	11.412999999999998	2.637
16/07/0006	6.366999999999999	2.668

Anonymized DataSet

dt	LandAverageTemperature	LandAverageTemperatureUnce
16/10/0005	3	3
16/11/0005	3	3
14/12/0005	5	3
14/01/0006	8	2
13/02/0006	11	2
16/03/0006	12	1
15/04/0006	15	1
16/05/0006	14	2
16/06/0006	11	2
16/07/0006	6	2

Statistics

naire.eu/amnesia/mysolutiongraph.html

Show 10 entries

dt	LandAverageTemperature	LandAverageTemperatureUncertainty	LandMaxTemperature	LandMaxTemperati
16/10/0005	-2.08-19.021	-2.08-19.021	(null)	(null)
16/11/0005	-2.08-19.021	-2.08-19.021	(null)	(null)
14/12/0005	-2.08-19.021	-2.08-19.021	(null)	(null)
14/01/0006	-2.08-19.021	-2.08-19.021	(null)	(null)
13/02/0006	-2.08-19.021	-2.08-19.021	(null)	(null)
16/03/0006	-2.08-19.021	-2.08-19.021	(null)	(null)
15/04/0006	-2.08-19.021	-2.08-19.021	(null)	(null)
16/05/0006	-2.08-19.021	-2.08-19.021	(null)	(null)
16/06/0006	-2.08-19.021	-2.08-19.021	(null)	(null)
16/07/0006	-2.08-19.021	-2.08-19.021	(null)	(null)

Showing 1 to 10 of 3,192 entries

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