

WOMEN WHO

SSID: WWCode

Password: password





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CODE
MANILA



Machine Learning and AI Study Group

Twitter: @wwcodemanila
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#WWCodeManila
#YourProgrammingLanguage
#StudyGroup



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OUR MISSION

Inspiring women to excel in technology careers.



OUR VISION

A world where women are representative as technical executives, founders, VCs, board members and software engineers.



STUDY GROUP

Study groups are events where women can come together and help each other learn and understand a specific programming language, technology, or anything related to coding or engineering.

GUIDELINES

- If you have a question, just **ask**
- If you have an idea, **share it**
- **Make friends** and learn from your study groupmates
- **Do not** promote your recruit or promote your business

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New Member's Introduction





I am <name>

<your current profession>

<why did you join this study group?>



AGENDA

1. **Today's Topic:** Dealing with Missing Values
2. Exercise
3. Presentations



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TODAY'S TOPIC

DATA PRE-PROCESSING: MISSING VALUES



Missing Values

- Usually, there are some missing values in the dataset.
- Missing data in the training data set can reduce the power / fit of a model or can lead to a biased model.
- It can lead to wrong prediction or classification.



Missing Values

Name	Weight	Gender	Play Cricket/ Not
Mr. Amit	58	M	Y
Mr. Anil	61	M	Y
Miss Swati	58	F	N
Miss Richa	55		Y
Mr. Steve	55	M	N
Miss Reena	64	F	Y
Miss Rashmi	57		Y
Mr. Kunal	57	M	N

Gender	#Students	#Play Cricket	%Play Cricket
F	2	1	50%
M	4	2	50%
Missing	2	2	100%

Name	Weight	Gender	Play Cricket/ Not
Mr. Amit	58	M	Y
Mr. Anil	61	M	Y
Miss Swati	58	F	N
Miss Richa	55	F	Y
Mr. Steve	55	M	N
Miss Reena	64	F	Y
Miss Rashmi	57	F	Y
Mr. Kunal	57	M	N

Gender	#Students	#Play Cricket	%Play Cricket
F	4	3	75%
M	4	2	50%



Missing Values

The problem of missing values needs to be fixed, taking into account the problem we are trying to solve:

- Remove all records with missing values
- Use a default value
- Estimate a replacement value (imputation)
- ...



Partner/Group/Individual Exercise:

PIMA INDIAN DIABETES DATASET



Partner/Group/Individual Presentation

MISSING VALUES EXERCISE



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References



T.I.L.

SHARE IT!
In front!

On Twitter: @wwcodemanila
Or FB: fb.com/wwcodemanila

Don't forget to tag WWCodeManila so we can retweet or share it.

<https://goo.gl/YzSqcS>

Feedback Form

Please don't rate the event on meetup.

Not helpful. It is best to just tell your concerns via the feedback form. We are building a community not a Yelp restaurant.

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THANK YOU :)

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