

# Graph Algorithms for Visualizing High Dimensional Data

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# Project Research Group

The project is done under the umbrella of LARCA(Laboratory for Relational Algorithmics, Complexity and Learning) Project Directors :

- ▶ Prof. Ricard Gavalda Mestre
- ▶ Prof. Marta Arias Vicente



# An example slide

This is an example basic slide. It just has some text on it, no figures, tables, proofs, math, etc. Note that Beamer lets have a 'long title' and a 'short title', used for sectioning and navigation. [1]



# Example Bullet List

This is an example of a bulleted list. Note that the bullets can be customized per the indent level.

- ▶ Hello, I am a bullet.
  - ▶ This is a sub-bullet.
    - ▶ This is a sub-sub-bullet.
- ▶ I am also a normal bullet..



# Graph



# Example Bullet List

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# Louvain Community detection Algorithm

This section has some examples of common slideshow elements.





# Example Table

Restrained	Swivel	Telemetry
~ 400bpm ~ 140mmHg	~ 380bpm ~ 120mmHg	~ 310 bpm ~ 100mmHg

**Table :** Heart beat and blood pressure using different monitoring methods

# Example of a Theorem

It is easy to include mathematical theorems and such:

## Theorem

*The quick brown fox jumps over the lazy dog.*



# Example Figure

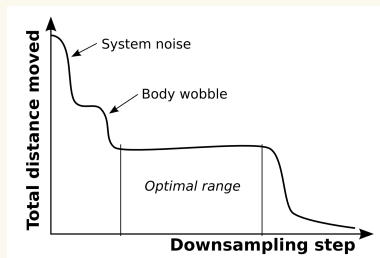


Figure : Our own test of downsampling

# Example Equation

$$8/4 = \frac{8}{4} = 8 \cdot \frac{1}{4} = 8 \cdot 4^{-1}$$

$$\begin{pmatrix} 2 & 1 \\ 0 & 1 \\ 1 & 4 \end{pmatrix}$$



# Personal Learning

My interest towards data visualization has increase. I am interseted in



# About

This slide show is mostly to demo the Hokie Beamer theme and see how it looks in various slideshow elements. Some parts of the presentation are taken from Jean-Etienne Poirrier's example presentation, which can be found here:  
<http://www.poirrier.be/jean-etienne>.



[Jure Leskovec and Andrej Krevl.](#)

SNAP Datasets: Stanford large network dataset collection.

<http://snap.stanford.edu/data>, June 2014.



# List of References that were used



Jure Leskovec and Andrej Krevl.

SNAP Datasets: Stanford large network dataset collection.

<http://snap.stanford.edu/data>, June 2014.



# Thank you

Thank you for all those who supported me throughout the project. It was a Great time at Barcelona working with Prof.Ricard and Prof.Marta.



Jure Leskovec and Andrej Krevl.

SNAP Datasets: Stanford large network dataset collection.

<http://snap.stanford.edu/data>, June 2014.

