Data Structures II: Local Search



Mauricio Toro Department of Systems and Informatics Universidad Eafit



Local Search

- Hill Climbing
- Simulating Annaeling
- Genetic Algorithms







Hill Climbing

https://www.youtube.com/watch?v=kOFBnKDGtJM







Hill Climbing for N queens

https://www.youtube.com/watch?v=vEpPMIiTSDI







Hill Climbing for TSP

https://www.youtube.com/watch?v=eGT9RuhclUE





Simulated Annealing

https://www.youtube.com/watch?v=Dp1irQX-c0Q https://www.youtube.com/watch?v=K7vc60jn1KU

Vigilada Mineducación

Simulated Annealing and Genetic algorithm for

https://www.youtube.com/watch?v=OrPZSyTgo-w



References







Further reading

- http://www.java2s.com/Code/Java/ Collections-Data-Structure/ Findconnectionsusinghillclimbing.htm
- https://en.wikipedia.org/wiki/Hill_climbing# Pseudocode
- https://en.wikibooks.org/wiki/Algorithms/ Hill_Climbing
- http://www.theprojectspot.com/tutorial-post/ simulated-annealing-algorithm-for-beginners/6





