

FORCE DIRECTED GRAPH

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Protein Prediction II

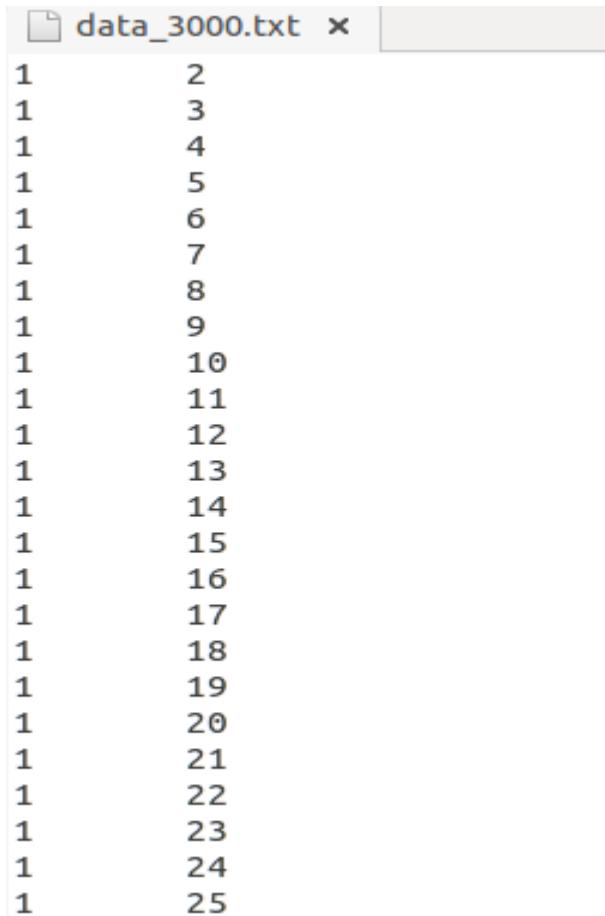
Agenda

- Introduction
- LiveDemo
- Feedback

INTRODUCTION - OBJECTIVE

1. To visualize large network(>2000 nodes) – using force directed algorithm – distance between the nodes and edges determined by the forces.
2. To optimize the time taken to visualize this large network using web workers (cytoscape.js)
3. Comparison of the time taken for visualization of the large network with and without web workers.

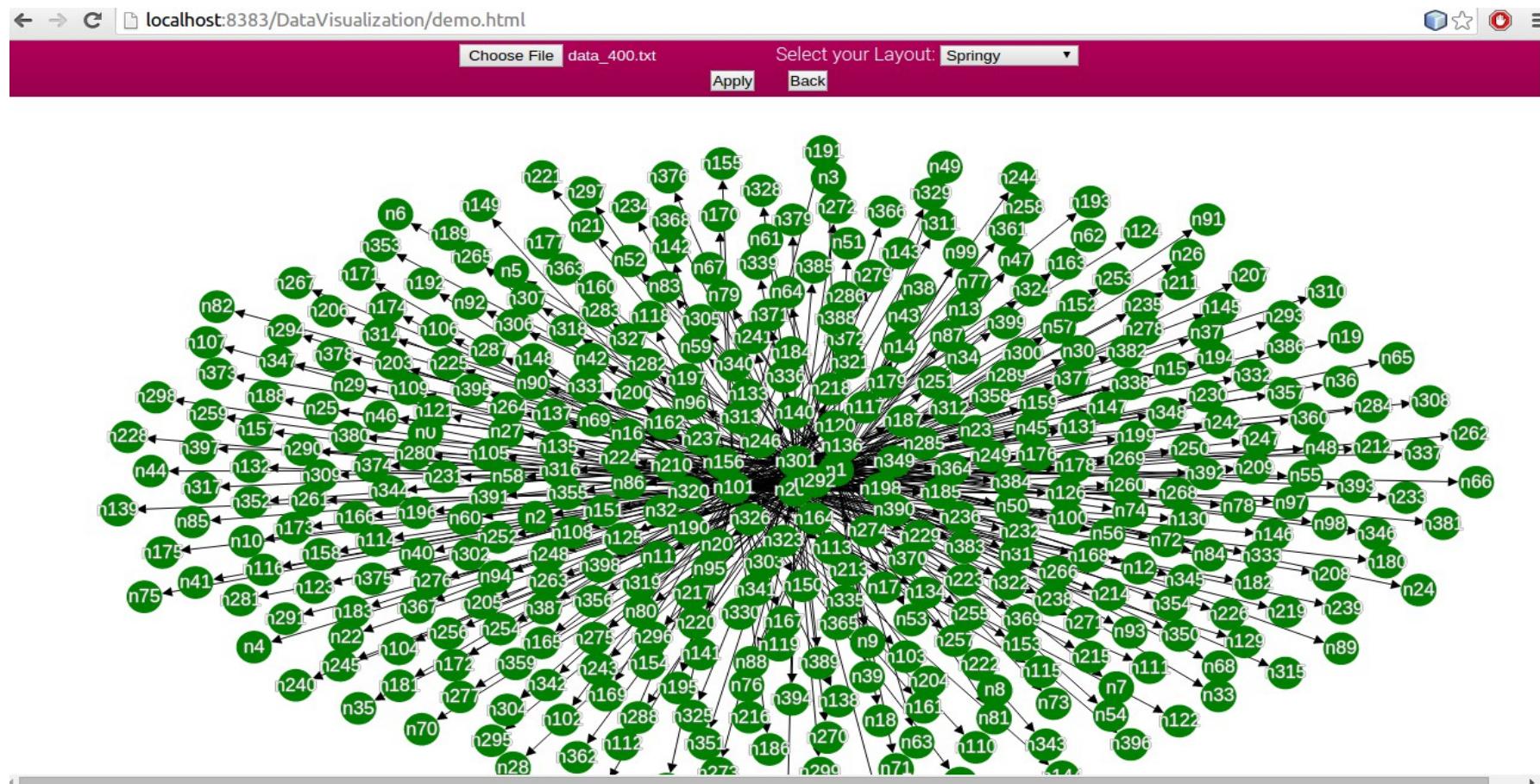
INPUT DATA FOR VISUALISATION



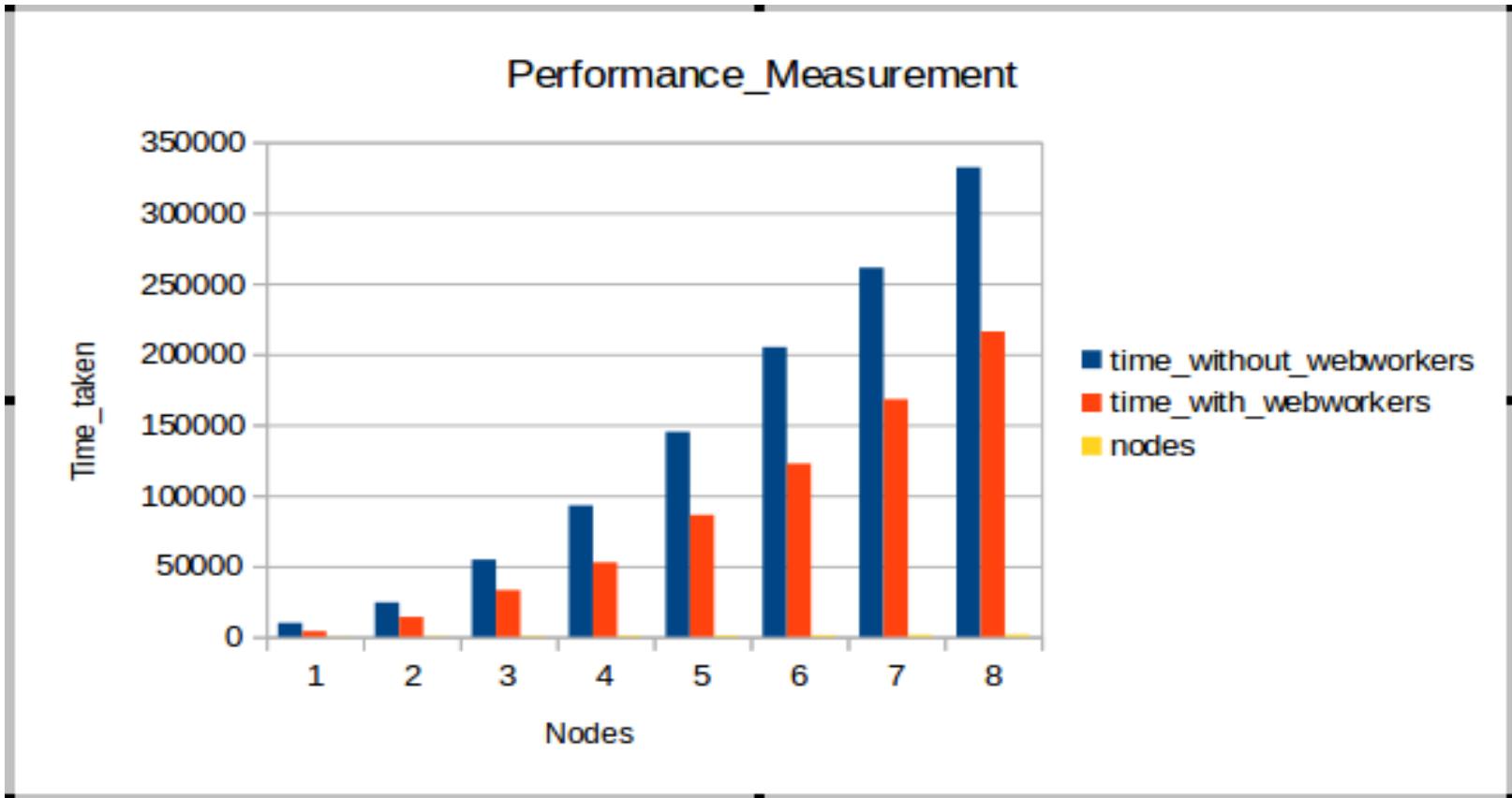
The image shows a screenshot of a text editor window titled "data_3000.txt". The window displays a list of 3000 lines of data. Each line contains two numbers: the first number is consistently '1' and the second number is an integer starting from 2 and increasing sequentially up to 25. The data is presented in a simple, tabular format with no additional columns or rows.

Line Number	Value 1	Value 2
1	1	2
2	1	3
3	1	4
4	1	5
5	1	6
6	1	7
7	1	8
8	1	9
9	1	10
10	1	11
11	1	12
12	1	13
13	1	14
14	1	15
15	1	16
16	1	17
17	1	18
18	1	19
19	1	20
20	1	21
21	1	22
22	1	23
23	1	24
24	1	25

OUTPUT- VISUALIZATION



TIME TAKEN_ WITHOUT AND WITH WEB WORKERS





QUESTIONS

