Lab 6 answer Sheet.

Please complete this answer sheet and turn it in before the due date posted in LEaRN.

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| --- | --- |
| Q | A |
| 1 | Bent Lollipop |
| 2 | Nothing |
| 3 | Most important node |
| 4 | 0.3111 |
| 5 | C(c)= 1/(D(c,a)+D(c,b)+D(c,c)+D(c,d)+D(c,e)+D(c,f)+D(c,g)+D(c,h)+D(c,i)+D(c,j)) C(c)= 1/(a2 + b1 + c0 + d1 + e3 + f2 + g1 + h1 + i2 + j2)) C(c)= 1/15 \_  C(c)= 0.0666  C(c)= **0.0667** |
| 6 | C(b)= 1/(D(b,a)+D(b,b)+D(b,c)+D(b,d)+D(b,e)+D(b,f)+D(b,g)+D(b,h)+D(b,i)+D(b,j)) C(b)= 1/(a1 + b0 + c1 + d1 + e2 + f1 + g1 + h2 + i1 + j3)) C(b)= 1/13  C(b)= 0.07692307692  C(b)= **0.0769** |
| 7 | Betty |
| 8 | The color, width, size, opacity of nodes/edges changed.. Exactly what it says on the tin. |
| 9 | #Dell\_2018-11-02\_14-15-01.xlsx  I studied data from the graph #Dell\_2018-11-02\_14-15-01.xlsx (#Dell 2018/11/02 @ 14:15:01), showing the past 2 weeks of tweets and replies containing #Dell displayed in influence clusters with the Clauset-Newman-Moore cluster algorithm. I noticed that while most of the replies to tweets were directly to the US Dell twitter handle, the most shared handle was dellconsumer\_jp. Apparently, the Japanese are an order of magnitude more likely to share tweets related to Dell than users in other parts of the world. The two major clusters were dell (US) and dellconsumer\_jp (Japan), however the japanese handle influence dwarfs all other handles, even the US handle. |