ERN Conference Preparation

TODOs

**January 30, 2015**

1. Find the list of non-existing PPIs with kernel values larger than the average kernel values of existing PPIs 🡪 Find the common PPIs in these groups 🡪 Might give clue for missing PPIs 🡪 **Write the concluding remark.**
2. Put the non-existing PPIs, with kernel values larger than the average kernel value of existing PPIs, back into the network 🡪 find the Laplacian matrix 🡪 find Kernel values 🡪 compare new kernel values with previous kernel values for the added PPIs.

**January 23, 2015**

1. Find the average interaction and average degree for each network. 🡪 Then try to find the correlation with kernel values. **(DONE)**
2. Find the kernel values in tabular form for the non-existing PPIs. **(DONE)**
3. Find the average kernel weight for different networks. **(DONE)**
4. Find the list of non-existing PPIs with kernel values larger than the average kernel values. **(DONE)**
5. Find the list of non-existing PPIs with kernel values larger than the minimum of existing PPI’s kernel value. **(DONE)**

Figure-1:

**January 16, 2015**

1. Dataset: Asthma and Allergy **(DONE)**
2. Create PPI files based on PPI scores by sorting **(DONE)**
   1. Network\_500 for which PPI score >= 500
   2. Network\_600 for which PPI score >= 600
   3. Network\_700 for which PPI score >= 700
   4. Network\_800 for which PPI score >= 800
   5. Network\_900 for which PPI score >= 900
   6. Network\_950 for which PPI score >= 950
3. Find LM and DK for each file **(DONE)**
4. Create a table to show the kernel values for ACTUAL PPIs **(DONE)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Kernel values for Actual PPI in the network | | | | | | |
| Actual PPI | Original | N\_500 | N\_600 |  |  |  |  |
|  |  |  |  |  |  |  |  |
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