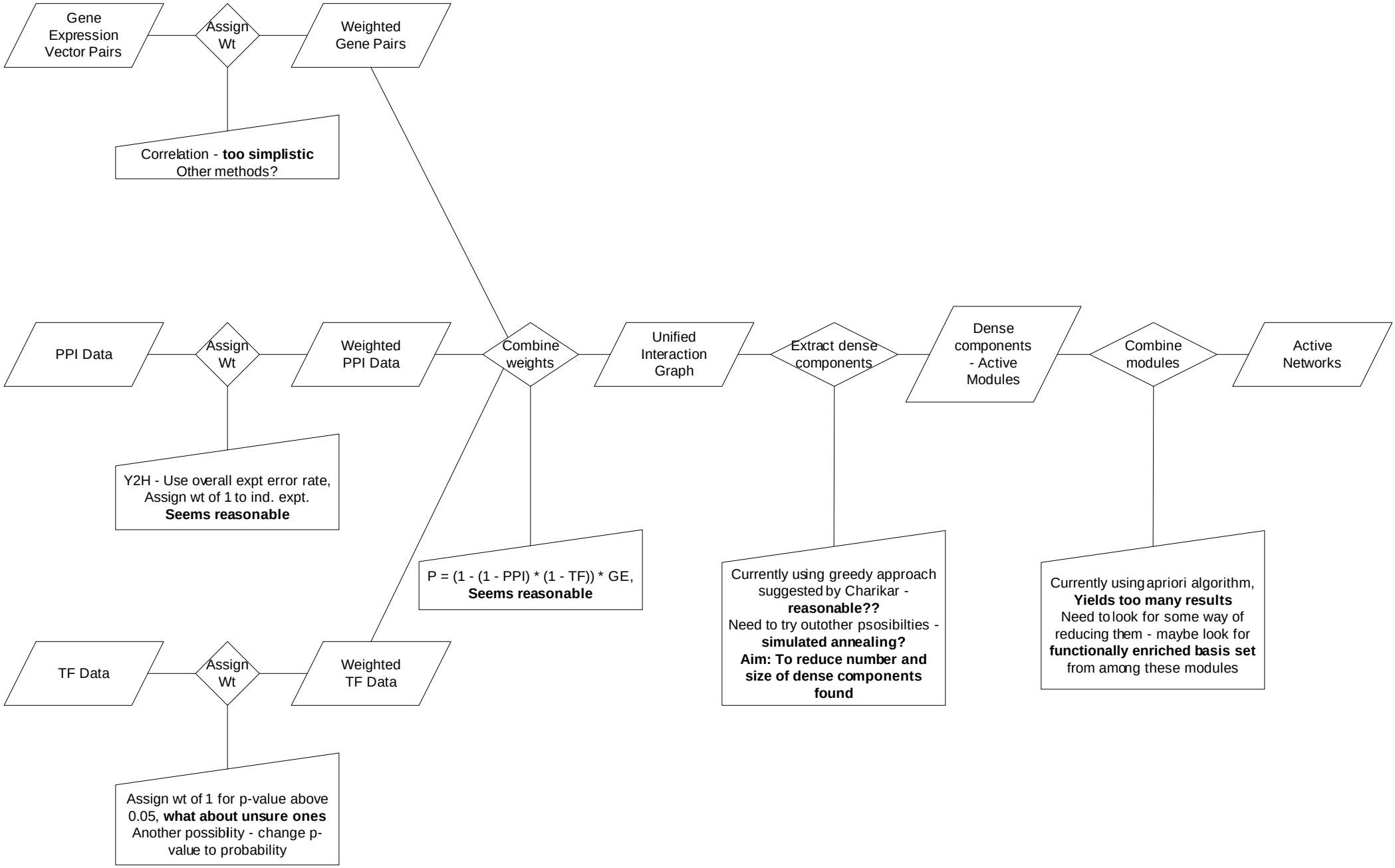
Gene Expression Vector Pairs
Assign Wt
Weighted Gene Pairs
Correlation - **too simplistic**
Other methods?
PPI Data
Assign Wt
Weighted PPI Data
Y2H - Use overall expt error rate,
Assign wt of 1 to ind. expt.
Seems reasonable
Combine weights
P = (1 - (1 - PPI) * (1 - TF)) * GE,
Seems reasonable
Unified Interaction Graph
Extract dense components
Currently using greedy approach suggested by Charikar - **reasonable??**
Need to try outother psosibilties - **simulated annealing?**
Aim: To reduce number and size of dense components found
Dense components - Active Modules
Combine modules
Currently using apriori algorithm,
Yields too many results
Need to look for some way of reducing them - maybe look for **functionally enriched basis set** from among these modules
Active Networks
TF Data
Assign Wt
Weighted TF Data
Assign wt of 1 for p-value above 0.05, **what about unsure ones**
Another possiblity - change p-value to probability