Network | **NS-2** | **233 features - Python (feature_id:value)**

Step 1: Networks processing

GeneNetWeaver

1 → 42.18 .. | 1:1.00 … 10:0.33333 …. 38:0.47265864

59 → 38.50 .. | 1:0.15 … 10:0.04532 …. 38:0.47265864

1000 → 50.00 | 1:1.0 … 10:0.5 …. 38:0.65365868

(a) Methodology

Remove duplicate instances & Highly correlated features

Step 2: Unique records

Random forest regressor

Repeat step 3 with reduced features
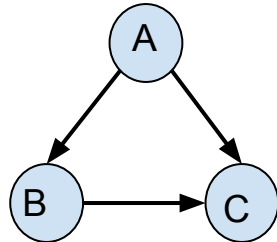
Step 3: Identify Best Estimator using Mean Squared Error

Feature reduction

Step 4: Feature Ranking & Accuracy using coefficient of determination

Note:

1) This is an example illustration. The values shown in NS-2 column are packet receipt rates.

2) Random forests uses estimators to create model. Mean square error is used to identify best estimator number. Estimators tried: 10, 15, ... 95, 100.

(b) FFL