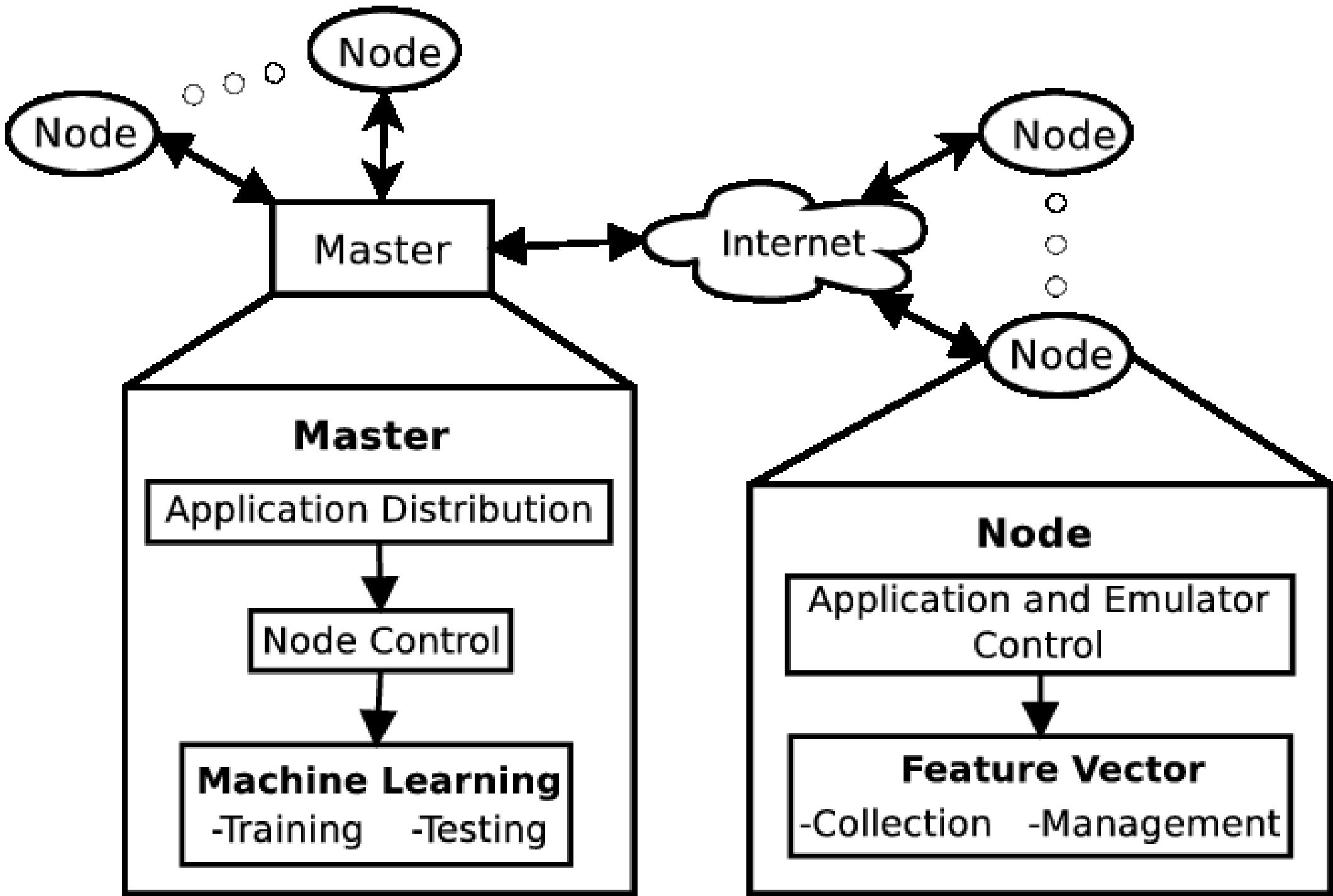


INTRODUCTION AND MOTIVATION: TODO

- A
- B
- C
- D
- E

CONTRIBUTION: TODO

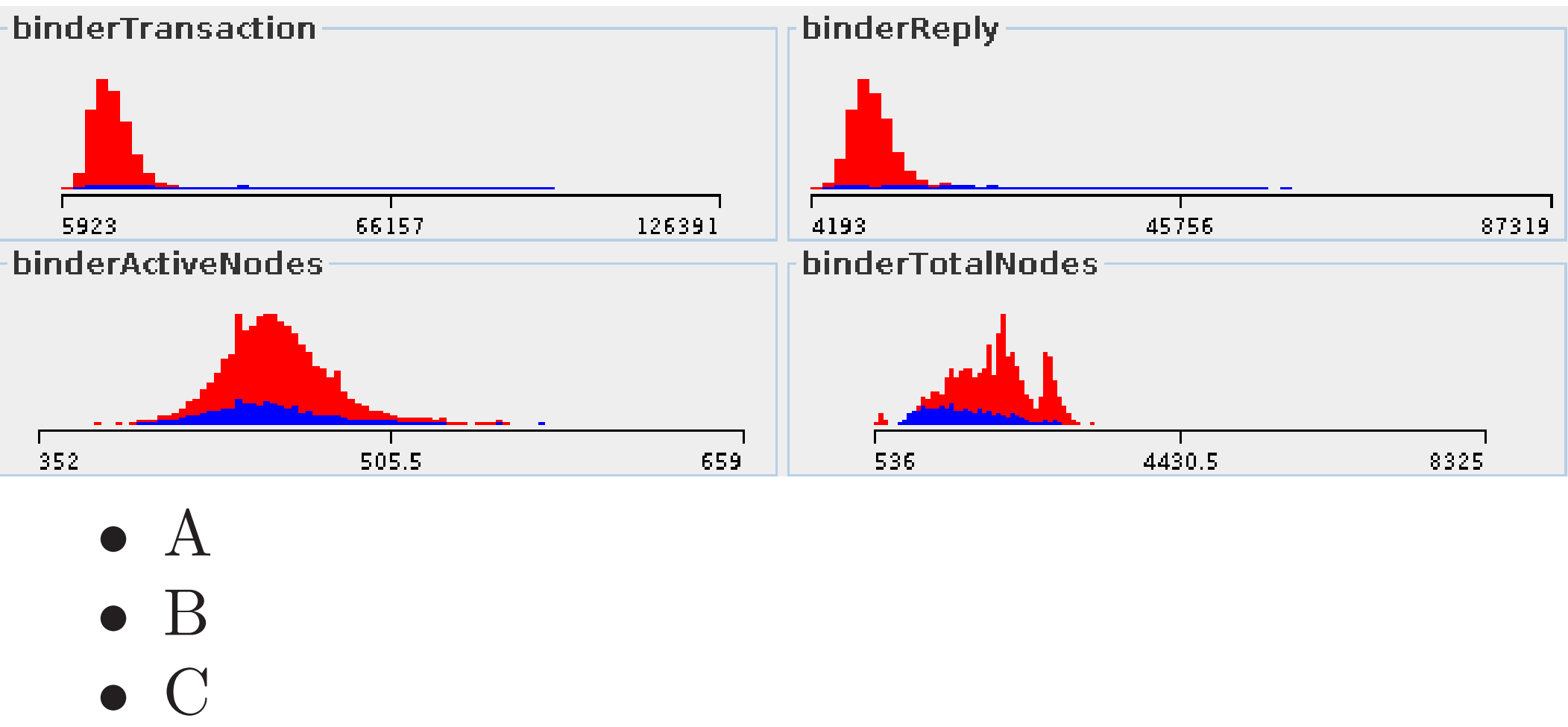


- A
  - A1
  - A2
  - A3
- B
- C
- D
- E

TODO *Algorithm*

```
1 applications.distributeToNodes
  for node ∈ nodes do
2   node.applications.distributeToDevices
    for application ∈ node.devices.applications
    do
3     a.install(application)
4     a.class ← s.detectClass
5     a.startDataCollection
6     a.initializeMonkey
    while monkey.isRunning do
7       a.collectFeatureVector
8     s.featureVector ← a.featureVector
9 nodes.collectFeatureVectors
10 classifiers.trainAndEvaluate
    • A
    • B
    • C
```

TODO *Visualization*



*Results* TODO

Classifier	Cross Validation			Testing Set		
	Correctly Classified	TPR	FPR	Correctly Classified	TPR	FPR
Random Forest	94.53%	97.66%	14.85%	70.31%	66.67%	26.90%
Naive Bayes	79.79%	87.85%	44.36%	78.91%	95.50%	33.79%
Multilayer Perceptron	93.91%	97.27%	16.13%	70.31%	61.26%	22.76%
Bayes net	86.23%	93.95%	36.88%	81.25%	97.30%	31.03%
Logistic	89.52%	97.07%	33.08%	68.75%	48.65%	15.86%
J48	93.43%	96.09%	14.55%	73.44%	72.97%	26.21%

- A
- B
- C

- D
- E

TODO

- A
- B
- C
- D
- E

TODO

- A
- B
- C
- D
- E