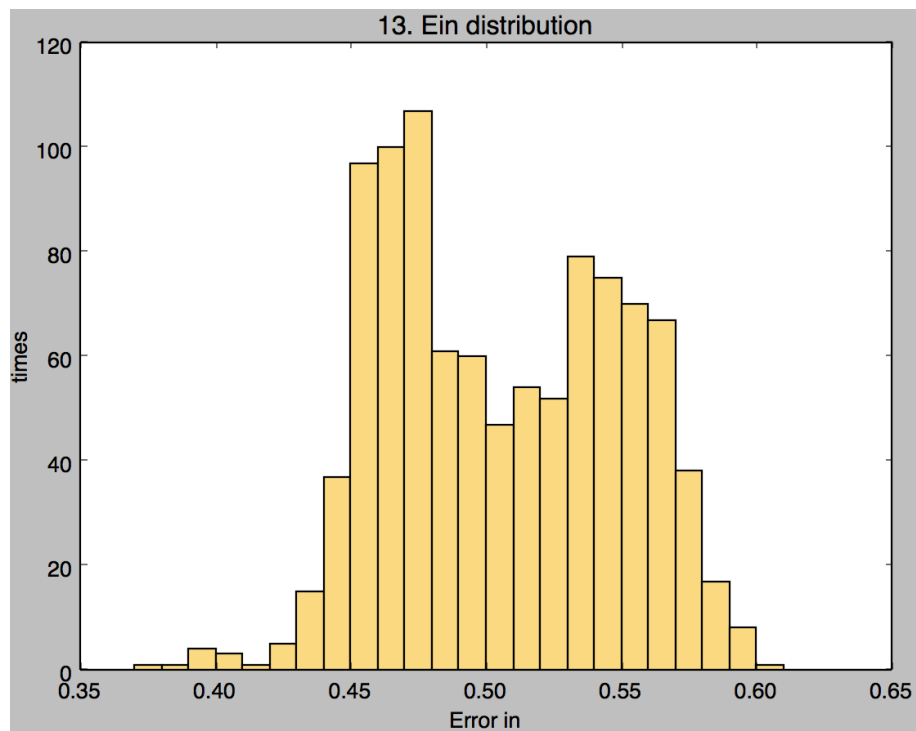
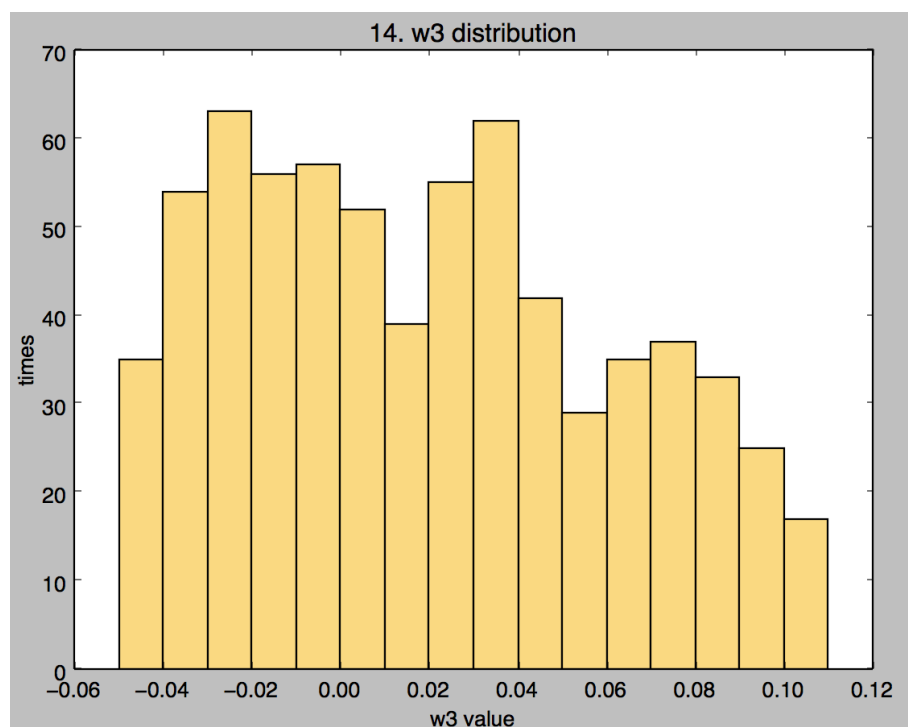


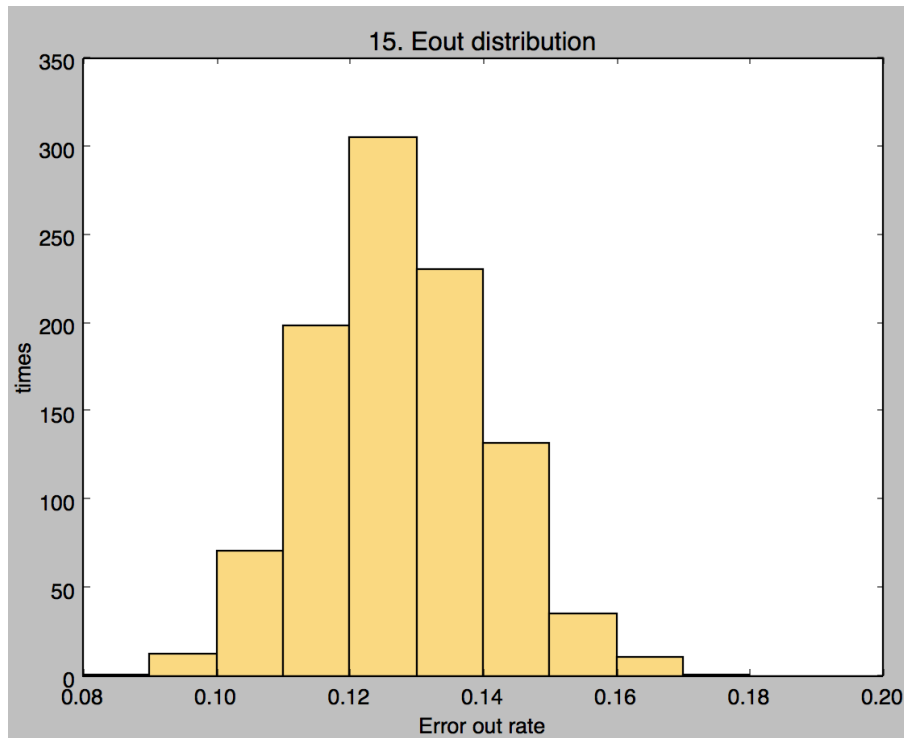
13. average $E_{in} = 0.506973$



14. average $w_3 = 0.001795$



15. average Eout = 0.125283



18. $E_{out}(g) = 0.475$
g :

```
[ 0.01878417  
-0.01260595  
 0.04084862  
-0.03266317  
 0.01502334  
-0.03667437  
 0.01255934  
 0.04815065  
-0.02206419  
 0.02479605  
 0.06899284  
 0.0193719  
-0.01988549  
-0.0087049  
 0.04605863  
 0.05793382  
 0.061218  
-0.04720391  
 0.06070375  
-0.01610907  
-0.03484607]
```

19. $E_{out}(g) = 0.220$
g :

```
[-0.00385379  
-0.18914564  
 0.26625908  
-0.35356593  
 0.04088776  
-0.3794296  
 0.01982783  
 0.33391527  
-0.26386754  
 0.13489328  
 0.4914191  
 0.08726107  
-0.25537728  
-0.16291797  
 0.30073678  
 0.40014954  
 0.43218808  
-0.46227968  
 0.43230193  
-0.20786372  
-0.36936337]
```

20. $E_{out}(g) = 0.473$
g :

```
[ 0.01826899  
-0.01308051  
 0.04072894  
-0.03295698  
 0.01498363  
-0.03691042  
 0.01232819  
 0.04791334  
-0.02244958  
 0.02470544  
 0.06878235  
 0.01897378  
-0.02032107  
-0.00901469  
 0.04589259  
 0.05776824  
 0.06102487  
-0.04756147  
 0.06035018  
-0.01660574  
-0.03509342]
```