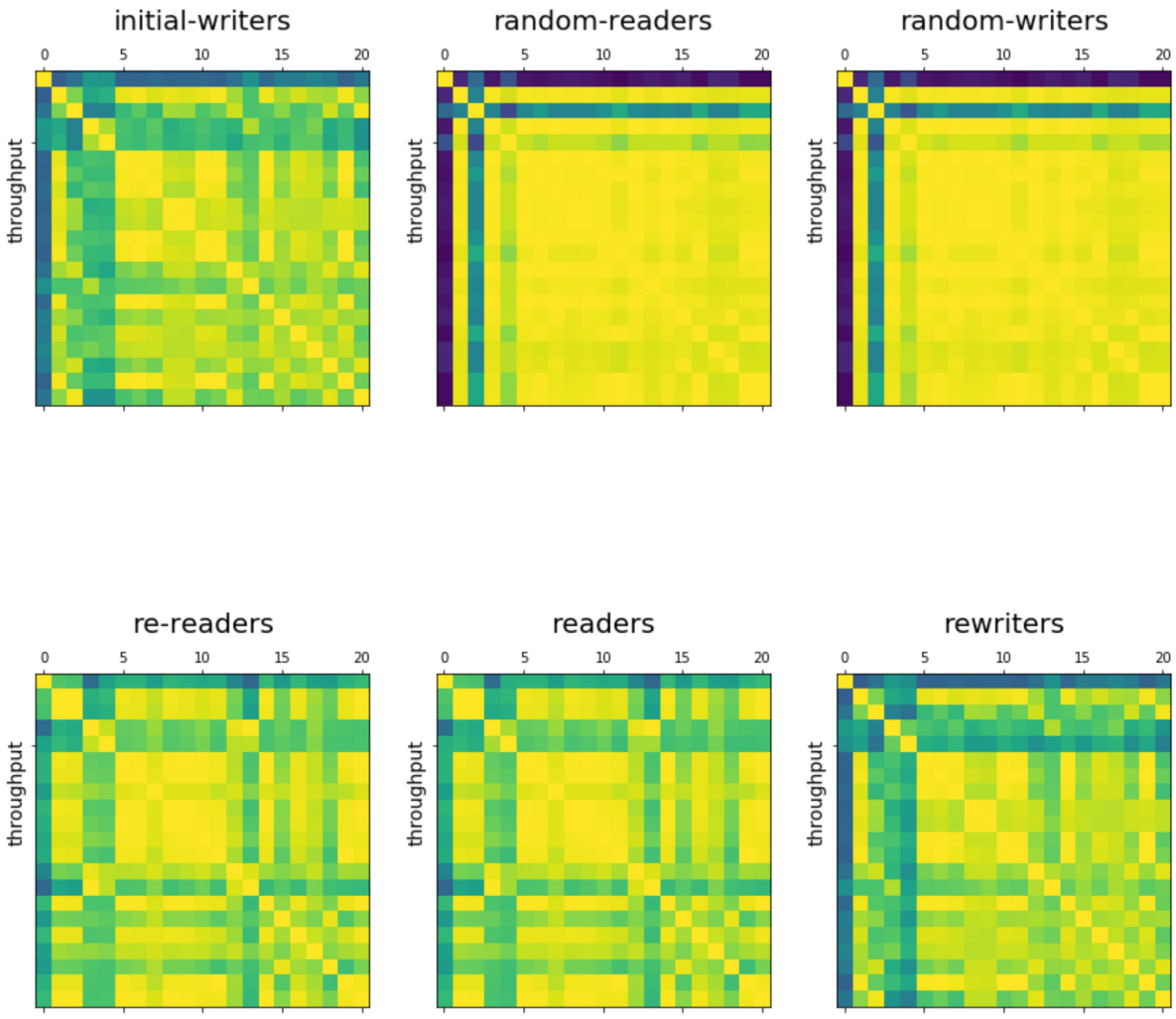
In [1]:
```
import pandas as pd
import numpy as np
from matplotlib import pyplot as plt
```

In [25]:
```
dat=pd.read_csv("../../varsys_data_warehouse/John/new_runs_with_order/nort-nojournal.csv",
                header=0)
print(dat.columns)
##drop
dat=dat.drop(['Unnamed: 0','host','media'], axis=1)
dat.test=dat.test.astype('category')
dat.head()
print(dat.test.cat.categories.tolist())
```

```
Index(['Unnamed: 0', 'host', 'media', 'freq', 'fsize', 'rsize', 'threads',
       'iter', 'subiter', 'test', 'throughput', 'runtime',
       'L1-dcache-load-misses', 'L1-dcache-loads', 'L1-icache-load-misses',
       'LLC-load-misses', 'LLC-loads', 'branch-misses', 'branches',
       'context-switches', 'cpu-migrations', 'cycles', 'dTLB-load-misses',
       'dTLB-loads', 'iTLB-load-misses', 'iTLB-loads', 'instructions',
       'page-faults'],
      dtype='object')
['initial-writers', 'random-readers', 'random-writers', 're-readers', 'readers',
'rewriters']
```

In [113]:
```
plt.figure(figsize=[15,15])
ll=1
for i in dat.test.cat.categories.tolist():
    subdat=dat[dat.test==i].copy()
    subdat=subdat.drop(['test','runtime','iter','subiter'],axis=1)
    plt.subplot(2,3,ll)
    plt.matshow(subdat.corr(),fignum=False,vmin=-1,vmax=1)
    #plt.xticks(range(len(subdat.columns)), subdat.columns,rotation=60,fontsize=10
)
    plt.yticks([4], ['throughput'],fontsize=14,rotation=90)
    plt.title(i, y=1.1,fontsize=20)
    ll=ll+1
plt.show()
```



In [107]:
```
plt.yticks
```

Out[107]:
```
<function matplotlib.pyplot.yticks(ticks=None, labels=None, **kwargs)>
```

In [ ]:
```

```