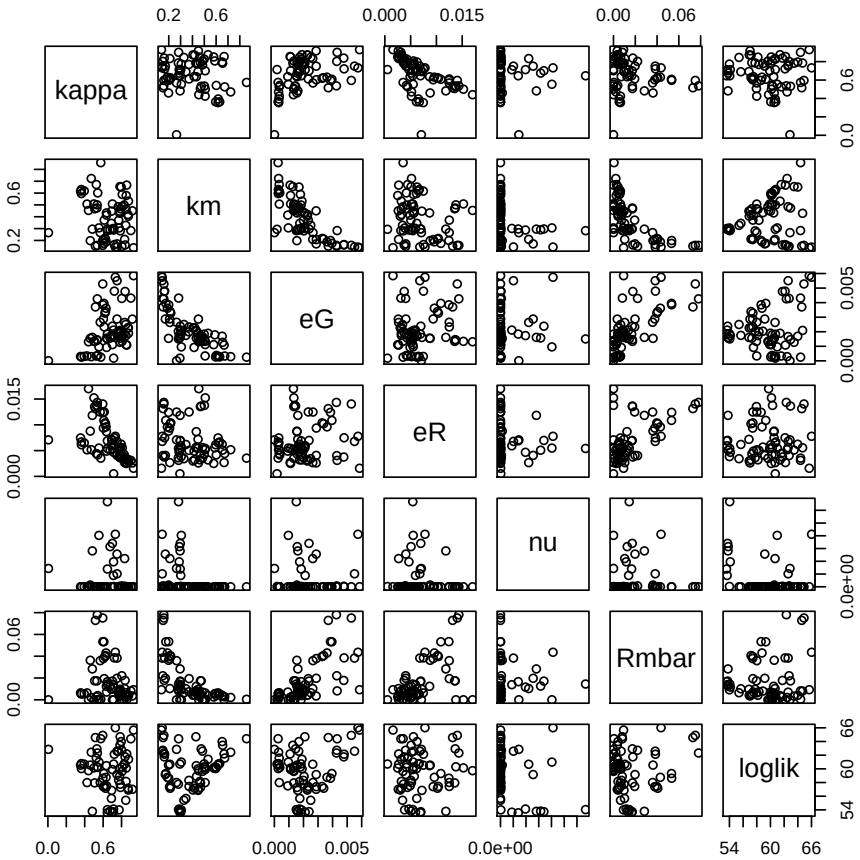
FITTING DYNAMIC ENERGY BUDGET MODELS: PARAMETER COVARIATION ACROSS PARAMETER SETS

I want to make four plots of the correlation among all parameters for the four different parameter combinations I explored. Looking first at only the energetic parameters:

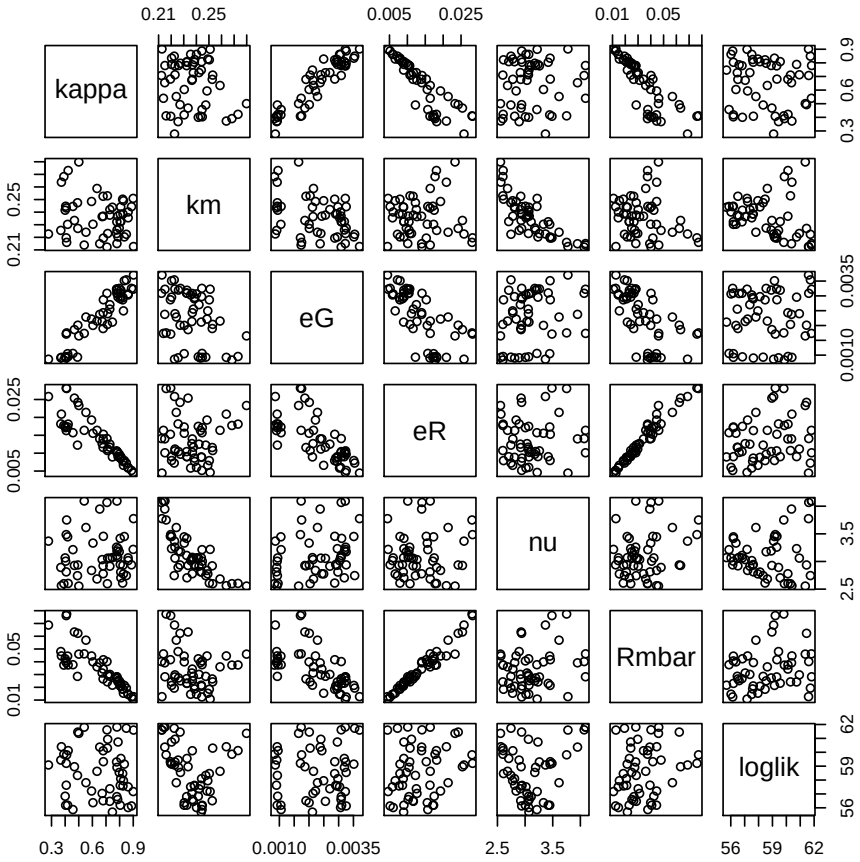
```
> true.parameters[[1]]
       kappa           km           eG           eR           nu         Rmbar
6.000000e-01 3.300000e-01 1.700000e-03 8.680000e-03 1.810000e+01 1.890000e-02
         pam           Fh           eA          vol          E.0          L.0
5.187000e-03 3.090000e-05 7.000000e-01 2.000000e+01 1.759926e-04 8.500000e-01
        Re.0          R.0          F.0        L.sd
0.000000e+00 0.000000e+00 2.500000e-02 2.000000e-02
> pairs(res[,i])
```



```
> true.parameters[[2]]
```

```
       kappa           km           eG           eR           nu         Rmbar
7.000000e-01 2.300000e-01 1.700000e-03 8.680000e-03 3.100000e+00 1.890000e-02
         pam           Fh           eA          vol          E.0          L.0
5.187000e-03 3.090000e-05 6.000000e-01 2.000000e+01 7.058921e-04 7.500000e-01
        Re.0          R.0          F.0        L.sd
0.000000e+00 0.000000e+00 2.500000e-02 2.000000e-02
```

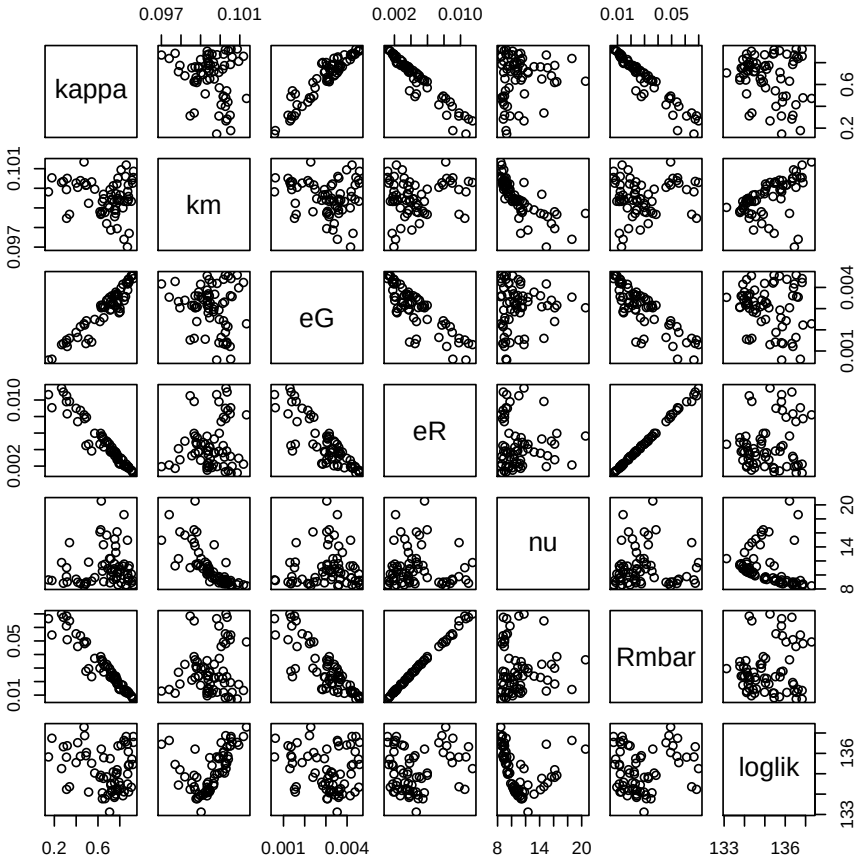
```
> pairs(res[,i])
```



```
> true.parameters[[3]]
```

```
      kappa          km          eG          eR          nu        Rmbar
4.00000e-01 1.00000e-01 1.00000e-03 4.80000e-03 1.00000e+01 1.89000e-02
        pam          Fh          eA         vol         E.0         L.0
5.18700e-03 3.09000e-05 5.00000e-01 2.00000e+01 6.48375e-05 5.00000e-01
       Re.0         R.0         F.0       L.sd
0.00000e+00 0.00000e+00 5.00000e-02 2.00000e-02
```

```
> pairs(res[,i])
```



```
> true.parameters[[4]]
     kappa         km         eG         eR         nu       Rmbar        pam
 0.5000000  0.1500000  0.0010000  0.0050000  5.0000000  0.0189000  0.0051870
        Fh         eA        vol        E.0        L.0       Re.0        R.0
 0.0000309  1.0000000 20.0000000  0.0010374  1.0000000  0.0000000  0.0000000
       F.0       L.sd
 0.0500000  0.0200000
> pairs(res[,i])
```