

ChickenRanging NB5

Creating a summary matrix of behavioural descriptors for individual hens.

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Data Import

```
In[1]:= SetDirectory["M://Chicken Research/ChickenRanging4"]  
  
rangingdata = Get["rangingdata"]  
  
In[3]:= SetDirectory["M://Chicken Research/ChickenSocialNetwork"]  
  
networkmeasures = Import["networkmeasuresnew.csv"]
```

Summary Matrix

```
In[5]:= tr = Transpose[Sort[rangingdata]];  
  
In[6]:= n = Transpose[Sort[Drop[networkmeasures, 1]]];  
  
In[14]:= summarymatrix =  
  Prepend[Sort[Transpose[Join[tr[[{2, 1, 4, 5, 6, 7, 8, 9, 10, 11}]], n[[{4, 6}]]]],  
    {"Pen", "HenID", "Transitions", "IN", "Out", "Entropy", "Initiator",  
      "Order out", "Order in", "Days out", "PageRank", "Community"}];  
  
In[11]:= Export["summarymatrix02.csv", summarymatrix]  
  
Out[11]= summarymatrix02.csv
```