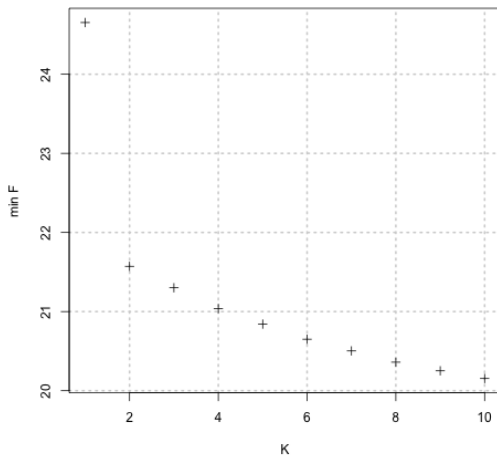


# Clustering Statistics

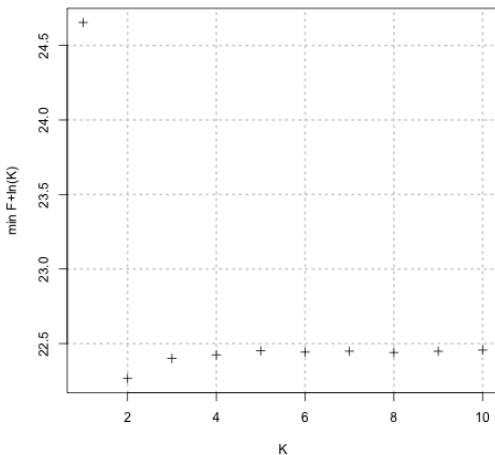
Population dynamics V 5.4

February 3, 2019

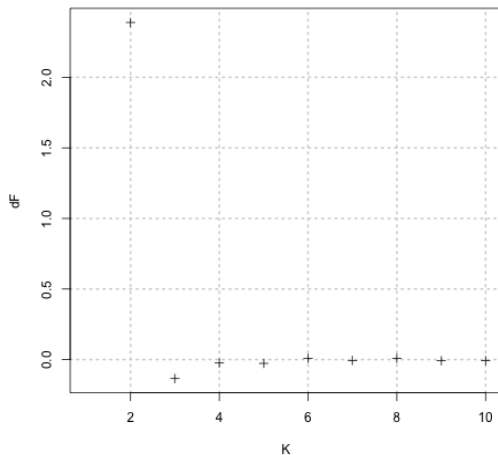
# F as a function of $K$



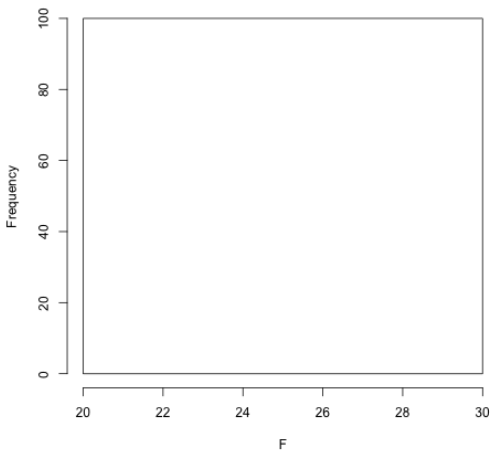
# $F + \ln(K)$ as a function of $K$



# $dF$ as a function of $K$

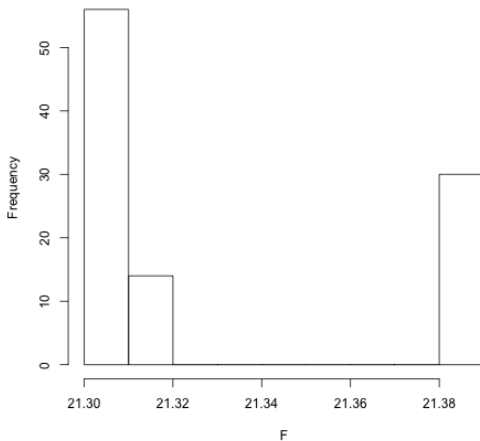


# Histogram of F for K=2



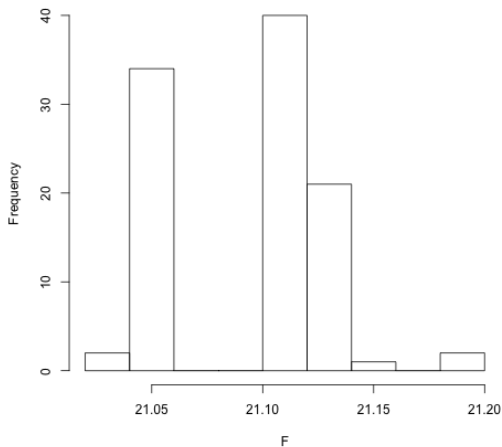
$$\min F = 21.57214$$

# Histogram of F for K=3



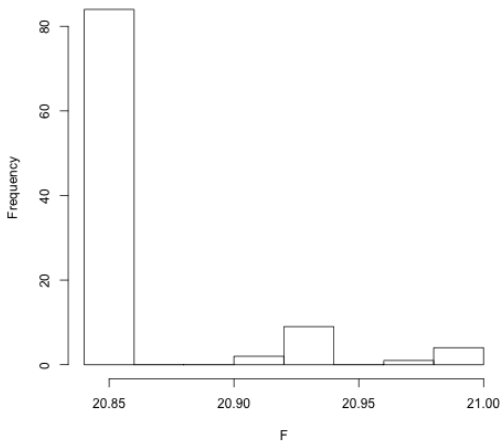
$\min F = 21.301043$

# Histogram of F for K=4



$\min F = 21.037823$

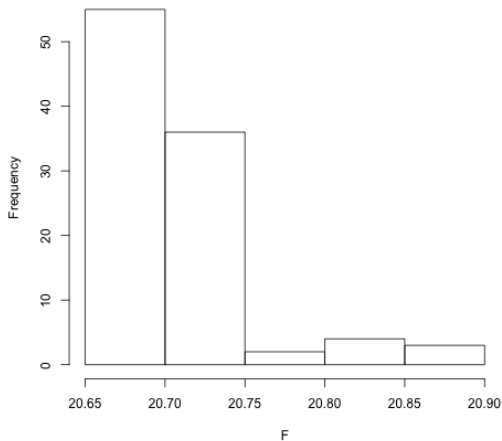
# Histogram of F for K=5



$\min F = 20.84176$

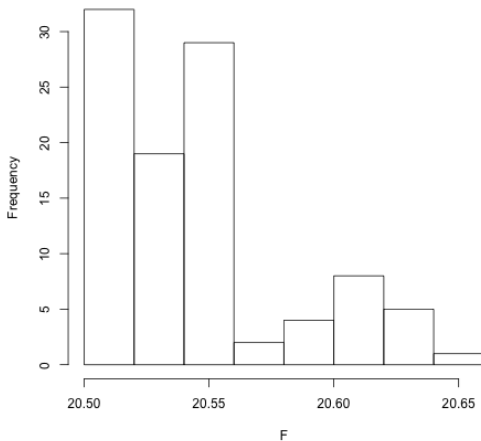


# Histogram of F for K=6



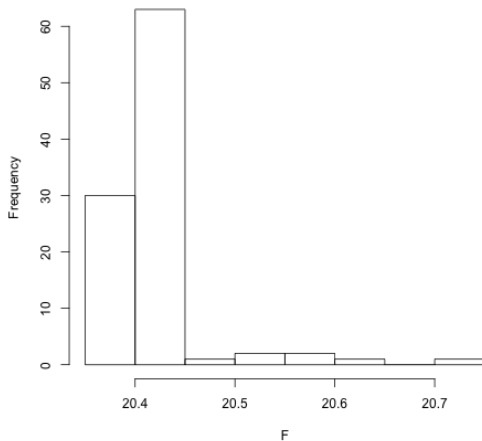
$\min F = 20.650611$

# Histogram of F for K=7



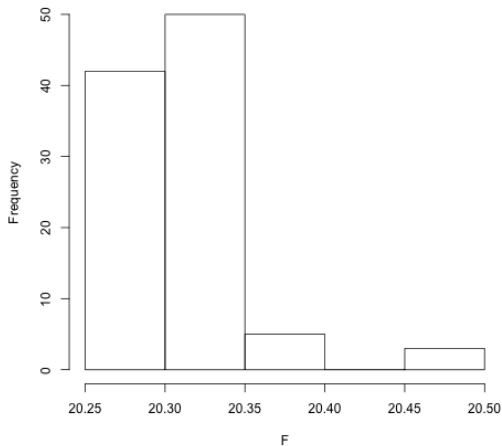
$$\min F = 20.502789$$

# Histogram of F for K=8



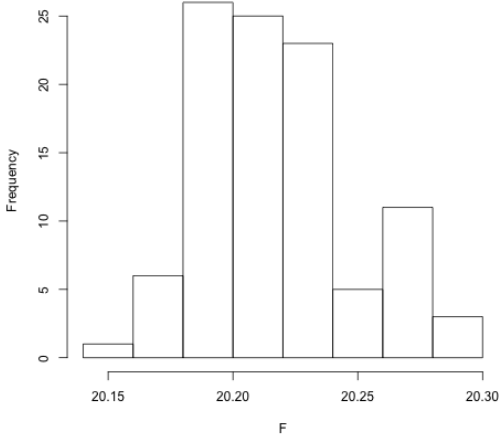
$\min F = 20.360395$

# Histogram of F for K=9



$\min F = 20.251177$

# Histogram of F for K=10



$\min F = 20.15385$