1. fastrunners=filter(TenMileRace, TenMileRace$net < 4000)
2. a. femaleRunners=filter(TenMileRace, TenMileRace$sex == "F")

b. foreignRunners=filter(TenMileRace, stri\_length(TenMileRace$state) >= 3)

1. table(TenMileRace$state)
2. maleRunners=filter(TenMileRace, TenMileRace$sex == "M")

sum(maleRunners$net < min(femaleRunners$net))

1. fivePercent=0.05

racetimes=TenMileRace$net

totalNet=max(racetimes)-min(racetimes)

abnormalNet=totalNet\*fivePercent

typicalRunners=filter(TenMileRace, TenMileRace$net > min(TenMileRace$net)+abnormalNet)

typicalRunners=filter(typicalRunners, typicalRunners$net < max(typicalRunners$net)-abnormalNet)

hist(typicalRunners$net)

