Assignment 2 Question 2

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Part b)

```r
data <- read.csv("EconomicMobility.csv")
```

```r
createLogLikeFunction <- function(P) {
  function(alpha, beta) {
    loglikelihood <- 0
    for (y in P) {
      loglikelihood <- loglikelihood + alpha*log(beta) +
        (alpha -1)*log(y) - log(gamma(alpha)) - y*beta
    }
    return(loglikelihood)
  }
}
```

```r
alpha <- 2
beta <- 2
log.func <- createLogLikeFunction(data$Commute)
result <- log.func(alpha, beta)
result
```

```
## [1] -262.4003
```