Readme:

1. Download the sourcecode form https://github.com/google/rappor
2. Change the function set strings in R/analysis/simulation.R file
   Replace:

```
SetOfStrings <- function(num_strings = 100) {
# Generates a set of strings for simulation purposes.
strs <- paste0("V_", as.character(1:num_strings))
strs
}
```

   To:

```
SetOfStrings <- function(num_strings = 100) {
  # Generates a set of strings for simulation purposes.
  #strs <- paste0("V_", as.character(1:num_strings))
  strs <-
c("30to40MaleUSNo","30to40MaleUSYes","40to50MaleUSYes","40to50MaleUSNo","20to30MaleUSNo","20to30MaleUSYes","30to40MaleUKNo","30to40MaleUKYes","40to50MaleUKYes","40to50MaleUKNo","20to30MaleUKNo","20to30MaleUKYes",
"30to40MaleCanadaNo","30to40MaleCanadaYes","40to50MaleCanadaYes","40to50CanadaUKNo","20to30MaleCanadaNo","20to30MaleCanadaYes")
  strs
}
```

3. In console load these two parameters
   params <- list(k = 16, m = 8, h = 2,p=0.5,q=0.75,f=0.5)
   popparams=list(18,1,"Linear",0,0.05)

4. Load the simulation.R file
5. Execute this command in console:
   GenerateSamples(10000,params,popparams)

6. Report Summary:

	string	estimate	std_error	proportion	prop_std_error	prop_low_95	prop_high_95	Truth
30to40MaleUKNo	30to40MaleUKNo	1432	255	0.1432	0.0255	0.093220	0.193180	705
30to40MaleUSYes	30to40MaleUSYes	1325	291	0.1325	0.0291	0.075464	0.189536	1016
40to50MaleUSYes	40to50MaleUSYes	1108	174	0.1108	0.0174	0.076696	0.144904	888
20to30MaleUSNo	20to30MaleUSNo	857	243	0.0857	0.0243	0.038072	0.133328	814
40to50MaleUSNo	40to50MaleUSNo	747	275	0.0747	0.0275	0.020800	0.128600	892

20to30MaleCanadaYes 20to30MaleCanadaYes 715 177 0.0715 0.0177 0.036808 0.106192 64
20to30MaleUKYes 20to30MaleUKYes 684 319 0.0684 0.0319 0.005876 0.130924 415
20to30MaleUSYes 20to30MaleUSYes 615 247 0.0615 0.0247 0.013088 0.109912 792