R Generate Arrays

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Contents

1	Generate Arrays		
	1.1	Gener	ate Often Used Arrays
			Equi-distance Array with Bound
		1 1 2	Log Space Arrays

1 Generate Arrays

Go to the RMD, R, PDF, or HTML version of this file. Go back to fan's REconTools Package, R Code Examples Repository (bookdown site), or Intro Stats with R Repository (bookdown site).

1.1 Generate Often Used Arrays

1.1.1 Equi-distance Array with Bound

Consider multiple income groups in income bins that are equal-width, for the final income group, consider all individuals above some final bin minimum bound. Below the code generates this array of numbers: 0,20000,40000,60000,80000,1000000,100000000.

[1] 0e+00 2e+04 4e+04 6e+04 8e+04 1e+05 1e+08

Generate finer bins, at 5000 USD intervals, and stopping at 200 thousand dollars.

```
fl_bin_start <- 0
fl_bin_width <- 5e3
fl_bin_final_end <- 1e8
fl_bin_final_start <- 2e5
ar_income_bins <- c(seq(fl_bin_start, fl_bin_final_start, by=fl_bin_width),</pre>
```

```
fl_bin_final_end)
print(ar_income_bins)

## [1] 0.00e+00 5.00e+03 1.00e+04 1.50e+04 2.00e+04 2.50e+04 3.00e+04 3.50e+04 4.00e+04 4.50e+04 5.00e
## [15] 7.00e+04 7.50e+04 8.00e+04 8.50e+04 9.00e+04 9.50e+04 1.00e+05 1.05e+05 1.10e+05 1.15e+05 1.20e
## [29] 1.40e+05 1.45e+05 1.50e+05 1.55e+05 1.60e+05 1.65e+05 1.70e+05 1.75e+05 1.80e+05 1.85e+05 1.90e
```

1.1.2 Log Space Arrays

Often need to generate arrays on log rather than linear scale, below is log 10 scaled grid.