Advanced Macro

Assignment 4

Hans Martinez

Nov 16, 2020

Optimization

Julia code: click here.

```
# Julia code
# See A4f.jl
```

Direct maximization over a pair of variables.

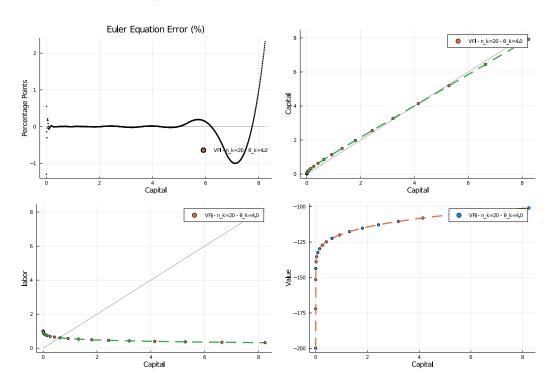


Figure 1: Multivariate maximization

Direct maximization over a single variable with other variables soved for analytically.

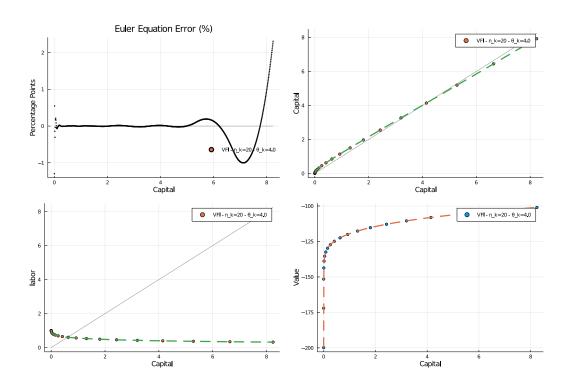


Figure 2: Univariate maximization

Section	ncalls	$_{ m time}$	%tot	avg	alloc	%tot	avg
Monovariate VFI n_k=20 θ _k=4 Multivariate VFI n_k=20 θ _k=4					1.66GiB 1.60GiB		