#### ARE 261 - Reed's Half Problem Set 1 Garrison Schlauch

### 1 Temperature and Economic Outcomes

#### 1.1 Temperature Aggregation

See code

#### 1.2 US Climate Impacts: County-Year Damages

1.

Figure 1

2.

Figure 2

3.

Table 1

# 2 Hedonic Air Quality Analysis

### 2.1 Questions

1.

Table ??

- 2.
- 3.
- 4.
- **5.**
- 6.
- 7.
- 8.
- 9.

## Figures

Figure 1: Exercise 1.2.1

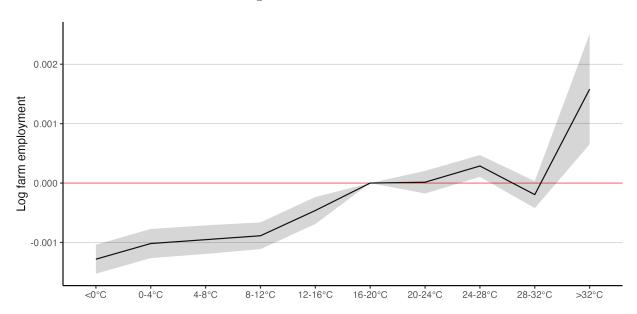
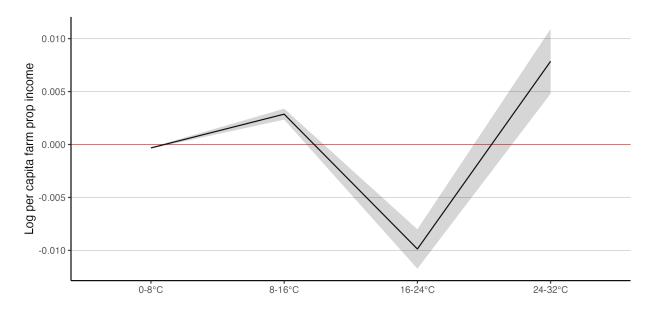


Figure 2: Exercise 1.2.1



## Tables

Table 1: 1.2 - Climate Impacts, regression 3

	(1)
tempB0	-0.001283
· · · · · · · · · · · · · · · · · · ·	(0.00125)
temp0to4	-0.000981
tempoto4	(0.000361)
temp4to8	-0.00120)
temp4too	(0.001004)
temp8to12	-0.000123)
tempoto12	(0.000325)
temp12to16	-0.000113)
temp12t010	(0.000116)
tomp16to20	(0.000110)
temp16to20	
temp20to24	0.000017
tcmp20t024	(0.000017)
temp24to28	0.000097
temp24t028	(0.000288)
tomp29to22	-0.000094
temp28to32	
toman A 22	(0.000117) $-0.001437$
tempA32	
1 DO v. 1 120	(0.008392)
$tempB0 \times tempA32$	-0.000186
A 22	(0.000058)
$temp0to4 \times tempA32$	-0.000118
4.0	(0.000088)
$temp4to8 \times tempA32$	0.000198
	(0.000059)
$temp8to12 \times tempA32$	0.000033
	(0.000032)
$temp12to16 \times tempA32$	0.000050
	(0.000038)
$temp20to24 \times tempA32$	-0.000004
	(0.000037)
$temp24to28 \times tempA32$	0.000049
	(0.000034)
$temp28to32 \times tempA32$	-0.000032
	(0.000030)
$tempA32 \times tempA32$	-0.000047
	(0.000033)
constant	6.829056
	(0.026407)
N	126619
$R^2$	0.948

Table 2: Hedonic analysis - Question 1

	(1)	(2)
$\frac{-}{\mathrm{dgtsp}}$	0.00299	0.00035
	(0.00032)	(0.00023)
ddens		0.00003
		(0.00001)
dmnfcg		-0.83145
		(0.18453)
dwhite		-1.28718
		(0.10316)
dfeml		-1.70109
		(0.74949)
dage65		-2.42708
		(0.48211)
dhs		-0.38486
		(0.19904)
dcoll		-0.43842
		(0.28345)
durban		-0.06672
•		(0.08517)
dunemp		-4.12546
1.		(0.31463)
dincome		0.00010
1		(0.00001)
dpoverty		-1.08741
1		(0.27157)
dvacant		1.26898
1		(0.19535)
downer		0.25739
1 1 1		(0.14376)
dplumb		-0.02182
1		(0.35341)
drevenue		0.00015
dtarman		(0.00002) $-0.00035$
dtaxprop		
donond		(0.00007) $-0.00011$
depend		(0.00011)
constant	1.07151	1.09555
Constant	(0.00806)	(0.03703)
N	1001	994
$R^2$	0.079	0.598