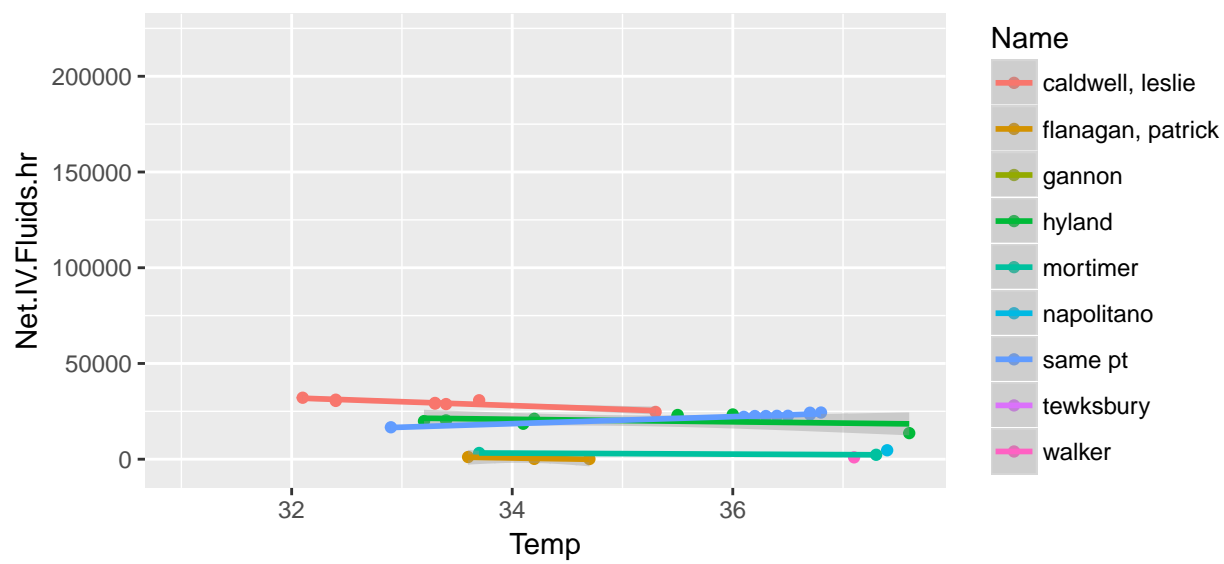
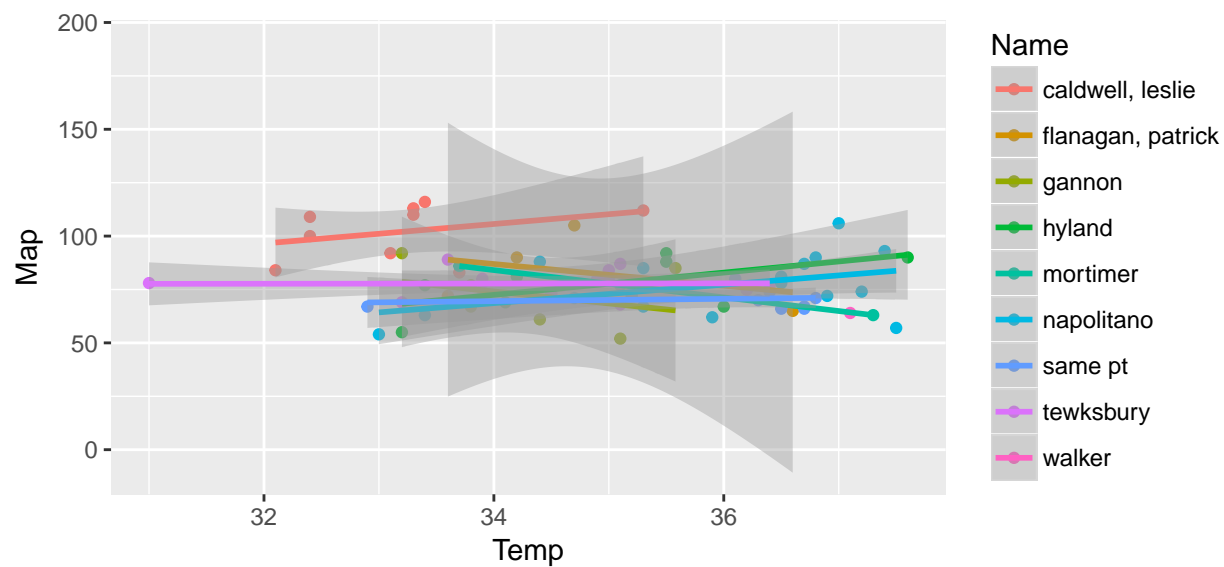


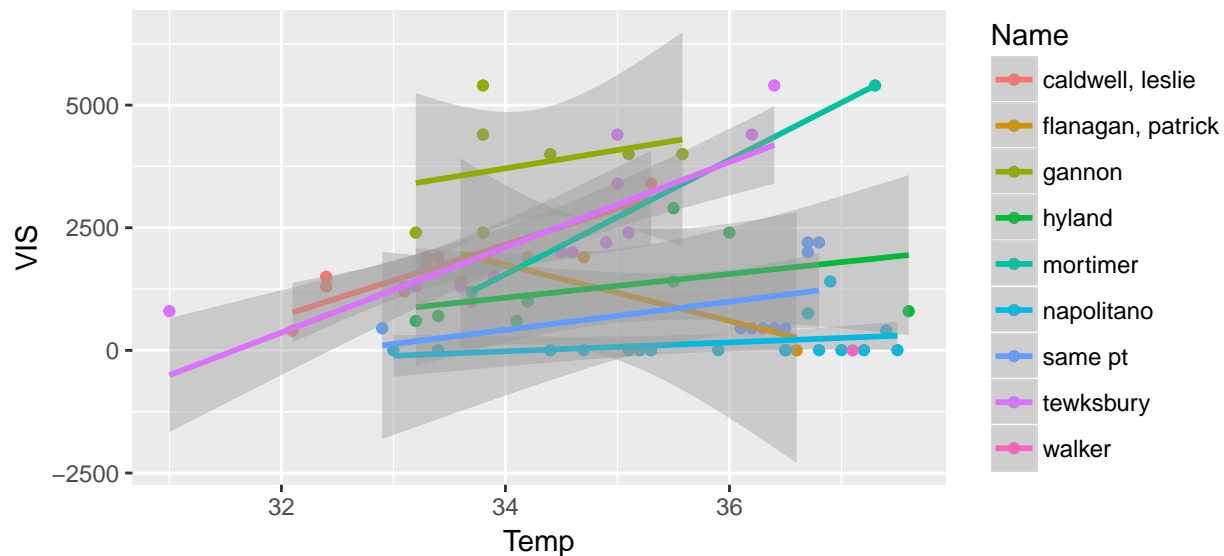
# Is Hypothermia Protective?

*Anthony Morada, and Garrison Davis*

*October 13, 2017*

```
dt = subset(dt, dt$Name != "dos")
```





```
dt$VIS = dt$Dobutamine + (100 * dt$EPI.Dose) + (10000 * dt$VASO.Dose) + (100 * dt$LEVO.Dose)
```

```
summary(lm(VIS~Temp, dt))
```

```
##
## Call:
## lm(formula = VIS ~ Temp, data = dt)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1586.0 -1117.9  -283.8   712.4  3945.0
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  2613.24    3941.56   0.663   0.509
## Temp        -31.05     112.76  -0.275   0.784
##
## Residual standard error: 1483 on 72 degrees of freedom
## (94 observations deleted due to missingness)
## Multiple R-squared:  0.001052, Adjusted R-squared:  -0.01282
## F-statistic: 0.07584 on 1 and 72 DF, p-value: 0.7838
```

```
summary(lm(VIS~Temp+Name, dt))
```

```
##
## Call:
## lm(formula = VIS ~ Temp + Name, data = dt)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2044.15  -608.90    0.36   617.71  2165.26
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -11957.52   2765.84  -4.323 5.48e-05 ***
## Temp           407.75    82.81   4.924 6.27e-06 ***
```

```

## Nameflanagan, patrick    -922.04    529.20   -1.742  0.086255  .
## Namegannon              1796.11    438.67    4.094  0.000121 ***
## Namehyland              -988.30    438.72   -2.253  0.027715  *
## Namemortimer             782.34    693.92    1.127  0.263773
## Namenapolitano         -2502.79    409.85   -6.107  6.65e-08 ***
## Namesame pt             -1737.60    466.53   -3.725  0.000416 ***
## Nametewksbury           350.10    367.72    0.952  0.344633
## Namewalker              -3170.06    956.00   -3.316  0.001508 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 854.2 on 64 degrees of freedom
##   (94 observations deleted due to missingness)
## Multiple R-squared:  0.7055, Adjusted R-squared:  0.664
## F-statistic: 17.03 on 9 and 64 DF,  p-value: 6.406e-14

```