

Final_Model

Arm and Guy

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urlfile="https://raw.githubusercontent.com/gthampak/Arm_Guy_MATH150_Project/main/HELPdata.csv"

HELPdata <- read_csv(url(urlfile))

##Treatment Variable
group Randomization Group (0=Control, 1=Clinic)

##Variables associated with pain
b7 Amount of bodily pain – past 4 weeks (1=None, 2=Very mild, 3= Mild, 4=Moderate, 5= Severe, 6= Very
severe)
b8 Amount of pain interfering with normal work-last 4 weeks (1=Not at all, 2=A little bit, 3=Moderately,
4=Quite a bit, 5=Extremely)
bp SF-36 pain index (0-100)
c2h1 Ever had abdom pain req overnt hosp stay (0=No, 1=Yes)
c2h2 Abdom pain req ovrnt hosp stay-last 6 months (0=No, 1=Yes)
c2m1 Chest pain using cocaine req ER/hosp (0=No, 1=Yes)
c2m2 Chest pain using coc req ER/hosp-last 6 months (0=No, 1=Yes)
c2o1 Lower back pain > 3 months req med attn (0=No, 1=Yes)
c2o2 Lwr back pain >3 months req med attention-last 6 months (0=No, 1=Yes)
rawbp Raw SF-36 pain index
HELPdata_survfit <- survfit(Surv(dayslink, linkstatus) ~ group, data=HELPdata)

ggsurvplot(HELPdata_survfit, conf.type = "TRUE") +
  ggtitle("KM-curve")
```

KM-curve

