FORM F.SK05
BUKTI BIMBINGAN SKRIPSI

Nama Mahasiswa : Abdullah Jabbar Daimuddin

NIM : 192400018

Judul Skripsi : Pemodelan Faktor-Faktor yang Mempengaruhi IPM di Indoenesia Tahun 2021 Menggunakan Regresi Logistik Ordinal

Dosen Pembimbing : Dra. Wara Pramesti, M.Si

Materi Pembimbingan Proposal	Tanda Tangan Dosen Pembimbing
1. Bimbingan Bab 1, 2, & 3	
2. Revisi Bab 1, 2, & 3	
3. Revisi Bab 2	
4. Bimbingan Bab 4 & 5	
5. Revisi Bab 4 & 5	
6. Revisi Bab 4	
7. Bimbingan Artikel Skripsi	
8. Revisi Artikel Skripsi & uji wald	

Catatan: *) Coret yang tidak sesuai

PROGRAM STUDI STATISTIKA
SK BAN-PT No. 1765/SK/BAN-PT/AK-PPJ/S/III/2022
FAKULTAS SAINS DAN TEKNOLOGI
UNIVERSITAS PGRI ADI BUANA SURABAYA

FORM F.SK08
PERBAIKAN/REVISI SEMINAR DAN UJIAN SKRIPSI

Nama Mahasiswa : Abdullah Jabbar Daimuddin
NIM : 192400018
Judul Skripsi : Pemodelan Faktor-Faktor Yang Mempengaruhi IPM Di Indonesia Tahun 2021 Menggunakan Regresi Logistik Ordinal
Dosen Pembimbing : Dra. Wara Pramesti, M.Si

Materi Revisi Seminar dan Ujian Skripsi	Tanda Tangan Dosen Penguji
1. Revisi Interpretasi odds ratio	
2. Penambahan model & interpretasi	
3. Revisi Interpretasi odds ratio dengan Penambahan kategori	
4. Pembenahan kesimpulan	
5. Pembenahan saran	
6. Penambahan Pembanding dengan Penelitihan terdahulu	

Surabaya, 20 Juli 2023
Dosen Pembimbing,

Dra. Wara Pramesti, M.Si
NPP : 8705185/DY

*Catatan: *) Coret yang tidak sesuai*
Lembar ini digunakan untuk bukti perbaikan makalah/jurnal dan hasil ujian skripsi
Batas waktu revisi proposal dua minggu terhitung dari waktu ujian proposal

LAMPIRAN

Lampiran 1 Data Penelitian

Provinsi	IPM	KAT IPM	X1	X2	X3	X4	X5	X6
Aceh	72.18	2	88,79	83,28	6,3	70,8	1,36	15,53
Sumatera Utara	72.00	2	90,89	78,66	6,33	67,99	1,36	8,49
Sumatera Barat	72.65	2	83,4	84,07	6,52	68,99	2,17	6,04
Riau	72.94	2	89,76	77,81	4,42	64	1,44	7
Jambi	71.63	2	79,7	72,5	5,09	61,56	2,34	7,67
Sumatera Selatan	70.24	2	84,7	71,53	4,98	60,53	2,28	12,79
Bengkulu	71.64	2	67,39	79,75	3,65	66,08	1,88	14,43
Lampung	69.90	1	80,2	71,72	4,69	60,31	1,67	11,67
Kep, Bangka Belitung	71.69	2	73,4	68,15	5,03	58,79	3,52	4,67
Kep, Riau	75.79	2	90,83	84,4	9,91	73,36	0,49	5,75
DKI Jakarta	81.11	3	99,86	72,32	8,5	60,53	2,85	4,67
Jawa Barat	72.45	2	93,24	67,8	9,82	58,58	2,41	7,97
Jawa Tengah	72.16	2	93,62	70,79	5,95	60,46	2,49	11,25
DI Yogyakarta	80.22	3	95,69	89,63	4,56	71,42	4,2	11,91
Jawa Timur	72.14	2	95,02	74,14	5,74	62,63	2,86	10,59
Banten	72.72	2	93,51	68,94	8,98	59,69	2,83	6,5
Bali	75.69	2	97,56	83,96	5,37	74,82	-3,63	4,72
Nusa Tenggara Barat	68.65	1	94,6	77,49	3,01	67,09	0,7	13,83
Nusa Tenggara Timur	65.28	1	85,4	75,77	3,77	54,29	1,02	20,44
Kalimantan Barat	67.90	1	78,76	69,38	5,82	51,77	3,44	6,84
Kalimantan Tengah	71.25	2	77,05	66,7	4,53	54,25	2,09	5,16
Kalimantan Selatan	71.28	2	76,4	69,31	4,95	58,37	1,98	4,56
Kalimantan Timur	76.88	2	85,8	82,01	6,83	69,29	1,15	6,27
Kalimantan Utara	71.19	2	86,8	76,5	4,58	65,37	1,94	6,83
Sulawesi Utara	73.30	2	91,65	73,86	7,06	63,33	3,32	7,36

Sulawesi Tengah	69.79	1	88,51	76,32	3,75	65,44	10,07	12,18
Sulawesi Selatan	72.24	2	91,18	71,21	5,72	60,35	3,66	8,53
Sulawesi Tenggara	71.66	2	91,94	75,02	3,92	63,7	2,44	11,74
Gorontalo	69.00	1	94,57	71,3	3,01	58,21	1,38	15,41
Sulawesi Barat	66.36	1	78,35	71,22	3,13	59,77	1,01	11,85
Maluku	69.71	1	93,21	79,68	6,93	64,71	1,99	16,3
Maluku Utara	68.76	1	88,66	77,01	4,71	64,11	14,99	6,38
Papua Barat	65.26	1	81,68	81,21	5,84	63,51	-2,77	21,82
Papua	60.62	1	64,92	63,98	3,33	44,41	13,46	27,38

Lampiran 2 Hasil Klasifikasi Pemodelan

Kabupaten/Kota	Y	$\widehat{Y}$	π_1	π_2	π_3
Aceh	Tinggi	Tinggi	0,304	**0,687**	$0{,}81\times10^{-2}$
Sumatera Utara	Tinggi	Tinggi	0,055	**0,887**	$0{,}58\times10^{-1}$
Sumatera Barat	Tinggi	Tinggi	0,023	**0,845**	0,132
Riau	Tinggi	Tinggi	0,073	**0,883**	$0{,}43\times10^{-1}$
Jambi	Tinggi	Tinggi	0,197	**0,788**	$0{,}14\times10^{-1}$
Sumatera Selatan	Tinggi	Sedang	**0,570**	0,427	$0{,}27\times10^{-2}$
Bengkulu	Tinggi	Sedang	**0,726**	0,272	$0{,}13\times10^{-3}$
Lampung	Sedang	Sedang	**0,511**	0,486	$0{,}34\times10^{-3}$
Kep. Bangka Belitung	Tinggi	Tinggi	0,186	**0,799**	$0{,}15\times10^{-1}$
Kep.Riau	Tinggi	Tinggi	0,004	**0,500**	0,496
DKI Jakarta	Sangat Tinggi	Tinggi	0,017	**0,812**	0,171
Jawa Barat	Tinggi	Tinggi	0,065	**0,886**	$0{,}49\times10^{-1}$
Jawa Tengah	Tinggi	Tinggi	0,315	**0,678**	$0{,}77\times10^{-2}$
DI Yogyakarta	Sangat Tinggi	Tinggi	0,136	**0,842**	$0{,}22\times10^{-1}$
Jawa Timur	Tinggi	Tinggi	0,217	**0,770**	$0{,}13\times10^{-1}$
Banten	Tinggi	Tinggi	0,048	**0,885**	$0{,}67\times10^{-1}$
Bali	Tinggi	Sangat Tinggi	0,003	0,462	**0,534**
Nusa Tenggara Barat	Sedang	Tinggi	0,440	**0,556**	$0{,}45\times10^{-2}$
Nusa Tenggara Timur	Sedang	Sedang	**0,947**	0,527	$0{,}20\times10^{-3}$
Kalimantan Barat	Sedang	Tinggi	0,267	**0,723**	$0{,}97\times10^{-2}$
Kalimantan Tengah	Tinggi	Tinggi	0,215	**0,771**	$0{,}13\times10^{-1}$
Kalimantan Selatan	Tinggi	Tinggi	0,121	**0,853**	$0{,}25\times10^{-1}$
Kalimantan Timur	Tinggi	Tinggi	0,020	**0,830**	0,150
Kalimantan Utara	Tinggi	Tinggi	0,085	**0,878**	$0{,}37\times10^{-1}$
Sulawesi Utara	Tinggi	Tinggi	0,073	**0,883**	$0{,}43\times10^{-1}$
Sulawesi Tengah	Sedang	Sedang	**0,760**	0,239	$0{,}11\times10^{-2}$
Sulawesi Selatan	Tinggi	Tinggi	0,205	**0,781**	$0{,}14\times10^{-1}$
Sulawesi Tenggara	Tinggi	Tinggi	0,390	**0,604**	$0{,}56\times10^{-2}$
Gorontalo	Sedang	Sedang	**0,781**	0,218	$0{,}10\times10^{-2}$
Sulawesi Barat	Sedang	Sedang	**0,635**	0,363	$0{,}21\times10^{-2}$
Maluku	Sedang	Tinggi	0,432	**0,563**	$0{,}47\times10^{-2}$
Maluku Utara	Sedang	Tinggi	0,453	**0,542**	$0{,}43\times10^{-2}$
Papua Barat	Sedang	Sedang	**0,806**	0,193	$0{,}86\times10^{-3}$
Papua	Sedang	Sedang	**0,999**	$0{,}51\times10^{-4}$	$0{,}18\times10^{-6}$

Lampiran 3 Output Regresi Logistik Ordinal menggunakan R Studio

```
library(readxl)

library(MASS)

## Warning: package 'MASS' was built under R version 4.2.3

library(ordinal)

## Warning: package 'ordinal' was built under R version 4.2.3

library(pscl)

## Classes and Methods for R developed in the

## Political Science Computational Laboratory

## Department of Political Science

## Stanford University

## Simon Jackman

## hurdle and zeroinfl functions by Achim Zeileis

library(performance)

#Data

ipm=read_excel("E:/DOC ALRA/Dokumen Penting/Skripsi/Data
ipm indo 2021/data ipm indo.xlsx", col_types = c("text","text",
"numeric","numeric","numeric",
"numeric","numeric","numeric","numeric"))

attach(ipm)

str(ipm)

## tibble [34 × 9] (S3: tbl_df/tbl/data.frame)

##  $ provinsi   : chr [1:34] "ACEH" "SUMATERA UTARA"
"SUMATERA BARAT" "RIAU" ...

##  $ status     : chr [1:34] "Tinggi" "Tinggi"
```

"Tinggi" "Tinggi" ...

$ IPM : num [1:34] 2 2 2 2 2 2 2 1 2 2 ...

$ rumahtangga: num [1:34] 88.8 90.9 83.4 89.8 79.7 ...

$ APS : num [1:34] 83.3 78.7 84.1 77.8 72.5 ...

$ TPT : num [1:34] 6.3 6.33 6.52 4.42 5.09 4.98 3.65 4.69 5.03 9.91 ...

$ APM : num [1:34] 70.8 68 69 64 61.6 ...

$ PDRB : num [1:34] 1.36 1.36 2.17 1.44 2.34 2.28 1.88 1.67 3.52 0.49 ...

$ miskin : num [1:34] 15.53 8.49 6.04 7 7.67 ...

str(ipm$IPM)

num [1:34] 2 2 2 2 2 2 2 1 2 2 ...

ipm$'IPM'=factor(ipm$'IPM', levels = c("1","2","3"))

data = data.frame(ipm[,3:9])

data$IPM= as.ordered(data$IPM)

#uji multiko

library(lmtest)

Loading required package: zoo

##

Attaching package: 'zoo'

The following objects are masked from 'package:base':

as.Date, as.Date.numeric

```
regOLS=lm(rumahtangga~APS+TPT+APM+PDRB+miskin)
summary(regOLS)
## Call:
## lm(formula = rumahtangga ~ APS + TPT + APM + PDRB + 
miskin)
##
## Residuals:
##     Min      1Q  Median      3Q     Max 
## -18.7963  -5.2810   0.9448   4.8777  13.1146 
##
## Coefficients:
##             Estimate Std. Error t value Pr(>|t|)  
## (Intercept) 49.47840   18.16331   2.724    0.011 *
## APS         -0.41573    0.54997  -0.756    0.456  
## TPT          1.33764    0.79811   1.676    0.105  
## APM          0.95610    0.56888   1.681    0.104  
## PDRB        -0.02327    0.39483  -0.059    0.953  
## miskin       0.12782    0.32714   0.391    0.699  
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 7.484 on 28 degrees of freedom
## Multiple R-squared:  0.3362, Adjusted R-squared:  0.2176 
## F-statistic: 2.836 on 5 and 28 DF,  p-value: 0.03406
```

```
regOLS1=lm(APS~rumahtangga+TPT+APM+PDRB+miskin)
summary(regOLS1)
## Call:
## lm(formula = APS ~ rumahtangga + TPT + APM + PDRB + 
miskin)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.6302 -1.8002 -0.7645  1.2148  5.8130
##
## Coefficients:
##             Estimate Std. Error t value Pr(>|t|)
## (Intercept) 15.02054    6.34303   2.368  0.02502 *
## rumahtangga -0.04811    0.06364  -0.756  0.45602
## TPT          0.04225    0.28467   0.148  0.88307
## APM          0.96857    0.08787  11.023 1.07e-11 ***
## PDRB         0.03345    0.13417   0.249  0.80493
## miskin       0.32671    0.09295   3.515  0.00152 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 2.546 on 28 degrees of freedom
## Multiple R-squared:  0.8473, Adjusted R-squared:   0.82
## F-statistic: 31.07 on 5 and 28 DF,  p-value: 1.334e-10
```

```
regOLS2=lm(TPT~rumahtangga+APS+APM+PDRB+miskin)

summary(regOLS2)

## Call:

## lm(formula = TPT ~ rumahtangga + APS + APM + PDRB +
miskin)

##

## Residuals:

##     Min      1Q  Median      3Q     Max

## -2.5941 -1.1914 -0.2426  0.9388  3.6834

##

## Coefficients:

##             Estimate Std. Error t value Pr(>|t|)

## (Intercept)  1.85725    4.59812   0.404   0.6893

## rumahtangga  0.06816    0.04067   1.676   0.1049

## APS          0.01861    0.12536   0.148   0.8831

## APM         -0.03651    0.13456  -0.271   0.7882

## PDRB        -0.04905    0.08865  -0.553   0.5844

## miskin      -0.11999    0.07049  -1.702   0.0998 .

## ---

## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

##

## Residual standard error: 1.689 on 28 degrees of freedom

## Multiple R-squared:  0.2679, Adjusted R-squared:  0.1372

## F-statistic:  2.05 on 5 and 28 DF,  p-value: 0.1021
```

```
regOLS3=lm(APM~rumahtangga+APS+TPT+PDRB+miskin)
summary(regOLS3)
## Call:
## lm(formula = APM ~ rumahtangga + APS + TPT + PDRB +
miskin)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -6.2125 -0.5632  0.4869  1.3610  2.9917
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.80927    6.40387  -0.751 0.458922
## rumahtangga  0.09584    0.05703   1.681 0.103951
## APS          0.83908    0.07612  11.023 1.07e-11 ***
## TPT         -0.07182    0.26472  -0.271 0.788156
## PDRB        -0.11316    0.12317  -0.919 0.366114
## miskin      -0.31654    0.08490  -3.728 0.000866 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 2.369 on 28 degrees of freedom
## Multiple R-squared:  0.8772, Adjusted R-squared:  0.8552
## F-statistic: 39.99 on 5 and 28 DF,  p-value: 6.64e-12
```

```
library(lmtest)
regOLS4=lm(PDRB~rumahtangga+APS+TPT+APM+miskin)
summary(regOLS4)
## Call:
## lm(formula = PDRB ~ rumahtangga + APS + TPT + APM + miskin)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -5.3625 -1.6057 -0.2442  0.4735 12.2178
## Coefficients:
##             Estimate Std. Error t value Pr(>|t|)
## (Intercept) 15.926729   9.302703   1.712   0.0979 .
## rumahtangga -0.005331   0.090444  -0.059   0.9534
## APS          0.066221   0.265602   0.249   0.8049
## TPT         -0.220505   0.398516  -0.553   0.5844
## APM         -0.258576   0.281467  -0.919   0.3661
## miskin      -0.025971   0.156921  -0.166   0.8697
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 3.582 on 28 degrees of freedom
## Multiple R-squared:  0.153,  Adjusted R-squared:  0.001797
## F-statistic: 1.012 on 5 and 28 DF,  p-value: 0.4293
```

```
regOLS5=lm(miskin~rumahtangga+APS+TPT+APM+PDRB)

summary(regOLS5)

## Call:

## lm(formula = miskin ~ rumahtangga + APS + TPT + APM +
PDRB)

##

## Residuals:

##     Min      1Q  Median      3Q     Max

## -8.8531 -2.8370  0.7733  2.6905  8.0516

##

## Coefficients:

##             Estimate Std. Error t value Pr(>|t|)

## (Intercept)  6.27102   11.70962   0.536 0.596502

## rumahtangga  0.04242    0.10858   0.391 0.698967

## APS          0.93713    0.26660   3.515 0.001516 **

## TPT         -0.78159    0.45915  -1.702 0.099786 .

## APM         -1.04808    0.28111  -3.728 0.000866 ***

## PDRB        -0.03763    0.22737  -0.166 0.869735

## ---

## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

##

## Residual standard error: 4.312 on 28 degrees of freedom

## Multiple R-squared:  0.4614, Adjusted R-squared:  0.3652

## F-statistic: 4.798 on 5 and 28 DF,  p-value: 0.002719
```

```
#estimasi paramater model ordinal

model <-
polr(IPM~rumahtangga+APS+TPT+APM+PDRB+miskin, data =
data, Hess=TRUE)

## Warning: glm.fit: fitted probabilities numerically 0 or 1 occurred

summary(model)

## Call:

## polr(formula = IPM ~ rumahtangga + APS + TPT + APM +
PDRB + miskin,

##     data = data, Hess = TRUE)

##

## Coefficients:

##              Value Std. Error t value

## rumahtangga  0.04077    0.06484  0.6288

## APS          0.07911    0.22541  0.3510

## TPT          0.27952    0.28961  0.9652

## APM          0.03970    0.22303  0.1780

## PDRB        -0.18761    0.13746 -1.3648

## miskin      -0.34209    0.14349 -2.3841

##

## Intercepts:

##     Value   Std. Error t value

## 1|2  8.3863  8.1049     1.0347

## 2|3 14.0191  8.7932     1.5943
```

##

Residual Deviance: 37.25381

AIC: 53.25381

##uji serentak

library(pscl)

pR2(model)

fitting null model for pseudo-r2

llh llhNull G2 McFadden r2ML r2CU

-18.6269047 -28.1981443 19.1424793 0.3394280 0.4305100 0.5317457

qchisq(0.95,6)

[1] 12.59159

library(performance)

model_performance(model,metrics = "all")

Can't calculate log-loss.

Can't calculate proper scoring rules for ordinal, multinomial or cumulative link models.

Indices of model performance

##

AIC | AICc | BIC | Nagelkerke's R2 | RMSE | Sigma

---

53.254 | 59.014 | 65.465 | 0.532 | 1.545 | 1.153

##uji wald % p-value (parsial)

(ctable <- coef(summary(model)))

```
##                Value Std. Error    t value
## rumahtangga  0.04076790 0.06483618  0.6287831
## APS          0.07911139 0.22540662  0.3509719
## TPT          0.27951976 0.28960536  0.9651747
## APM          0.03969726 0.22302590  0.1779940
## PDRB        -0.18761372 0.13746436 -1.3648172
## miskin      -0.34209343 0.14349148 -2.3840679
## 1|2          8.38625651 8.10489497  1.0347150
## 2|3         14.01914061 8.79319604  1.5943168
p <- pnorm(abs(ctable[, "t value"]), lower.tail = FALSE) * 2
(ctable <- cbind(ctable, "p value" = p))
##                Value Std. Error    t value    p value
## rumahtangga  0.04076790 0.06483618  0.6287831 0.52949107
## APS          0.07911139 0.22540662  0.3509719 0.72560942
## TPT          0.27951976 0.28960536  0.9651747 0.33445733
## APM          0.03969726 0.22302590  0.1779940 0.85872772
## PDRB        -0.18761372 0.13746436 -1.3648172 0.17231052
## miskin      -0.34209343 0.14349148 -2.3840679 0.01712244
## 1|2          8.38625651 8.10489497  1.0347150 0.30080202
## 2|3         14.01914061 8.79319604  1.5943168 0.11086509
##uji kesusaian model
model[3]
## $deviance
```

[1] 37.25381

qchisq(0.95, 33)

[1] 47.39988

##odds ratio

exp(coef(model))

rumahtangga APS TPT APM PDRB miskin

1.0416103 1.0823249 1.3224945 1.0404957 0.8289348 0.7102818

##klasifikasi tabel

library(caret)

Loading required package: ggplot2

Loading required package: lattice

pred=predict(model, data)

pred

[1] 2 2 2 2 2 1 1 1 2 2 2 2 2 2 2 2 3 2 1 2 2 2 2 2 2 1 2 2 1 1 2 2 1 1

Levels: 1 2 3

prob=predict(model, data, type = "prob")

prob

1 2 3

1 0.304576849 6.873194e-01 8.103787e-03

2 0.054635379 8.870597e-01 5.830492e-02

3 0.022921359 8.447341e-01 1.323445e-01

4 0.073100365 8.834974e-01 4.340223e-02

5 0.197472410 7.881941e-01 1.433353e-02

6 0.570190422 4.271196e-01 2.690022e-03

7 0.726205246 2.724475e-01 1.347255e-03

8 0.510812713 4.857722e-01 3.415052e-03

9 0.185524327 7.990097e-01 1.546598e-02

10 0.003622516 5.003591e-01 4.960184e-01

11 0.017078992 8.121545e-01 1.707665e-01

12 0.064742094 8.861076e-01 4.915029e-02

13 0.314695136 6.775729e-01 7.732008e-03

14 0.135514476 8.421683e-01 2.231719e-02

15 0.216841883 7.703996e-01 1.275849e-02

16 0.047202659 8.854351e-01 6.736225e-02

17 0.003107640 4.624731e-01 5.344193e-01

18 0.439574128 5.558846e-01 4.541286e-03

19 0.947110431 5.268979e-02 1.997801e-04

20 0.266981095 7.232901e-01 9.728779e-03

21 0.215155224 7.719602e-01 1.288455e-02

22 0.121217346 8.534976e-01 2.528505e-02

23 0.019867233 8.300903e-01 1.500425e-01

24 0.084775681 8.780310e-01 3.719331e-02

25 0.073098408 8.834982e-01 4.340343e-02

26 0.759527075 2.393413e-01 1.131620e-03

27 0.205161349 7.811653e-01 1.367331e-02

28 0.389988748 6.044454e-01 5.565848e-03

```
## 29 0.780507899 2.184869e-01 1.005251e-03
## 30 0.634940979 3.630059e-01 2.053084e-03
## 31 0.431993412 5.633238e-01 4.682818e-03
## 32 0.453326880 5.423766e-01 4.296510e-03
## 33 0.805795524 1.933428e-01 8.616473e-04
## 34 0.999948614 5.120177e-05 1.838796e-07
confusionMatrix(as.factor(pred),data$IPM)
## Confusion Matrix and Statistics
##
##          Reference
## Prediction  1  2  3
##          1  7  2  0
##          2  4 18  2
##          3  0  1  0
##
## Overall Statistics
##
##               Accuracy : 0.7353
##                 95% CI : (0.5564, 0.8712)
##    No Information Rate : 0.6176
##    P-Value [Acc > NIR] : 0.1066
##
##                  Kappa : 0.4446
```

Mcnemar's Test P-Value : NA

##

Statistics by Class:

##

##	Class: 1	Class: 2	Class: 3
## Sensitivity	0.6364	0.8571	0.00000
## Specificity	0.9130	0.5385	0.96875
## Pos Pred Value	0.7778	0.7500	0.00000
## Neg Pred Value	0.8400	0.7000	0.93939
## Prevalence	0.3235	0.6176	0.05882
## Detection Rate	0.2059	0.5294	0.00000
## Detection Prevalence	0.2647	0.7059	0.02941
## Balanced Accuracy	0.7747	0.6978	0.48438