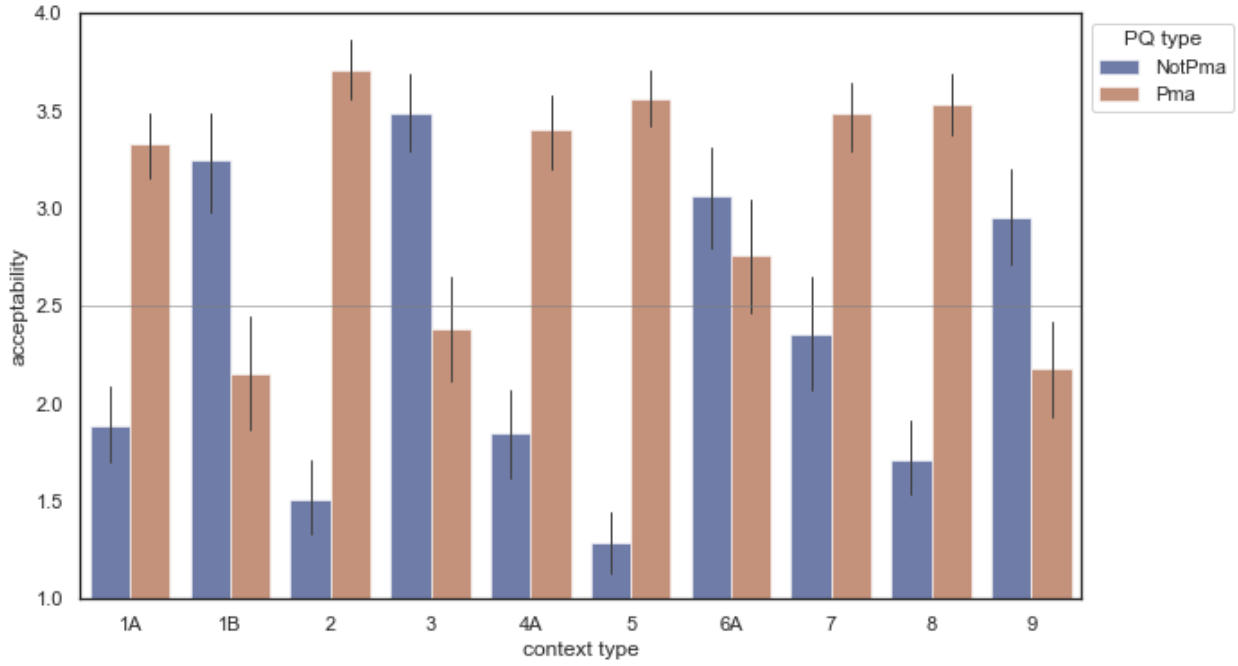
P ma vs. not-P ma

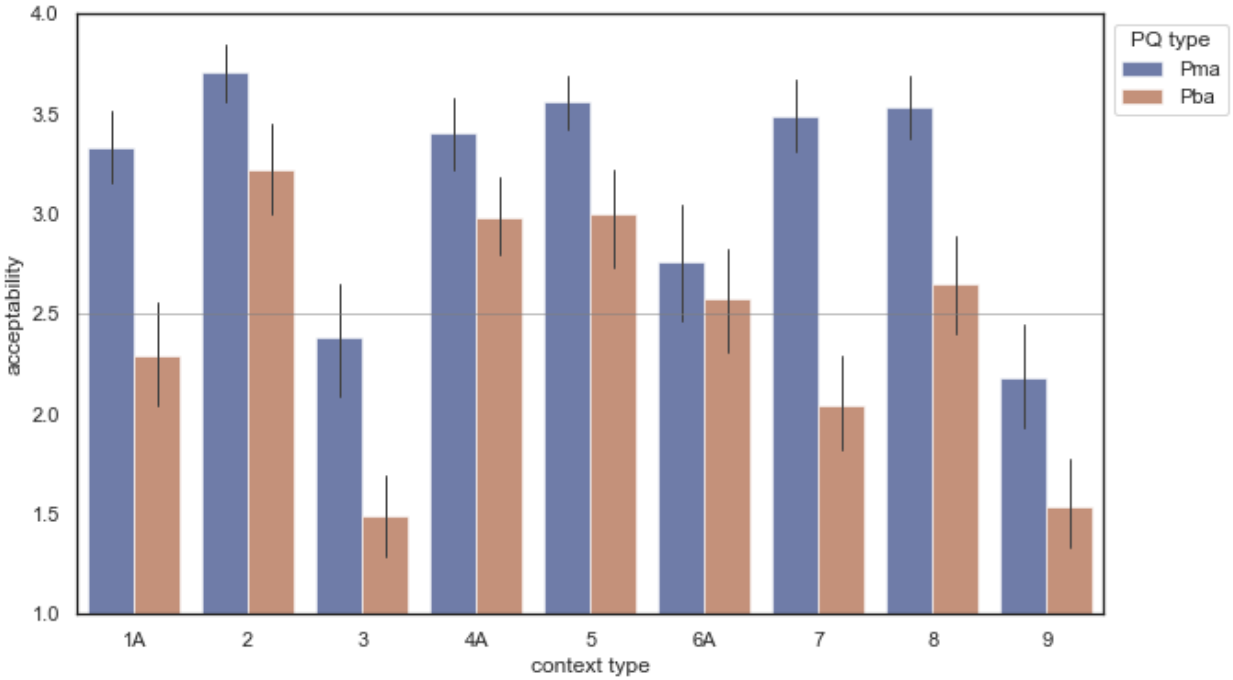


No significant difference ($p > 0.05$) in context 6A

```
##
##  F test to compare two variances
##
## data:  Pma_6a and NotPma_6a
## F = 1.4119, num df = 44, denom df = 44, p-value = 0.2565
## alternative hypothesis: true ratio of variances is not equal to 1
## 95 percent confidence interval:
##  0.7759074 2.5692882
## sample estimates:
## ratio of variances
##           1.411924

##
##  Two Sample t-test
##
## data:  Pma_6a and NotPma_6a
## t = -1.5564, df = 88, p-value = 0.1232
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  -0.70834598  0.08612376
## sample estimates:
## mean of x mean of y
##  2.755556  3.066667
```

P ma vs. P ba

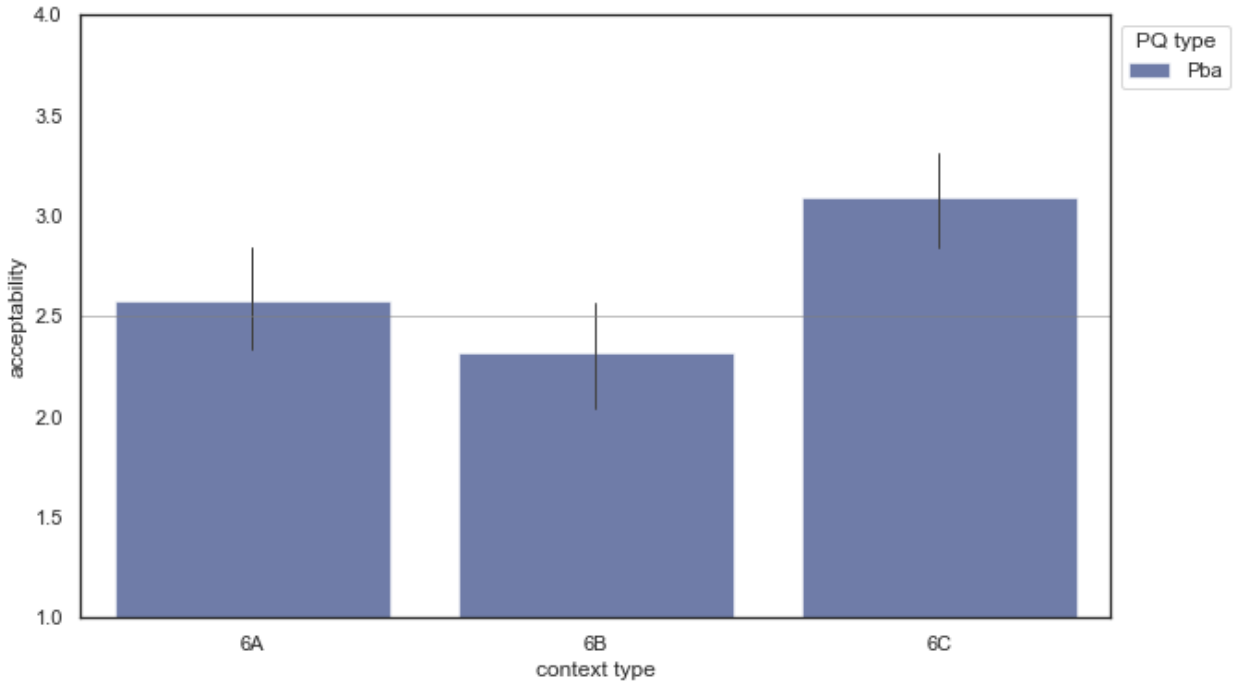


No significant difference ($p > 0.05$) in context 6A

```
##
##  F test to compare two variances
##
## data:  Pma_6a and Pba_6a
## F = 1.1881, num df = 44, denom df = 44, p-value = 0.5699
## alternative hypothesis: true ratio of variances is not equal to 1
## 95 percent confidence interval:
##  0.652930 2.162069
## sample estimates:
## ratio of variances
##           1.188141
```

```
##
##  Two Sample t-test
##
## data:  Pma_6a and Pba_6a
## t = 0.85657, df = 88, p-value = 0.394
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  -0.2346756  0.5902311
## sample estimates:
## mean of x mean of y
##  2.755556  2.577778
```

P ba in contexts 6A, 6B & 6C

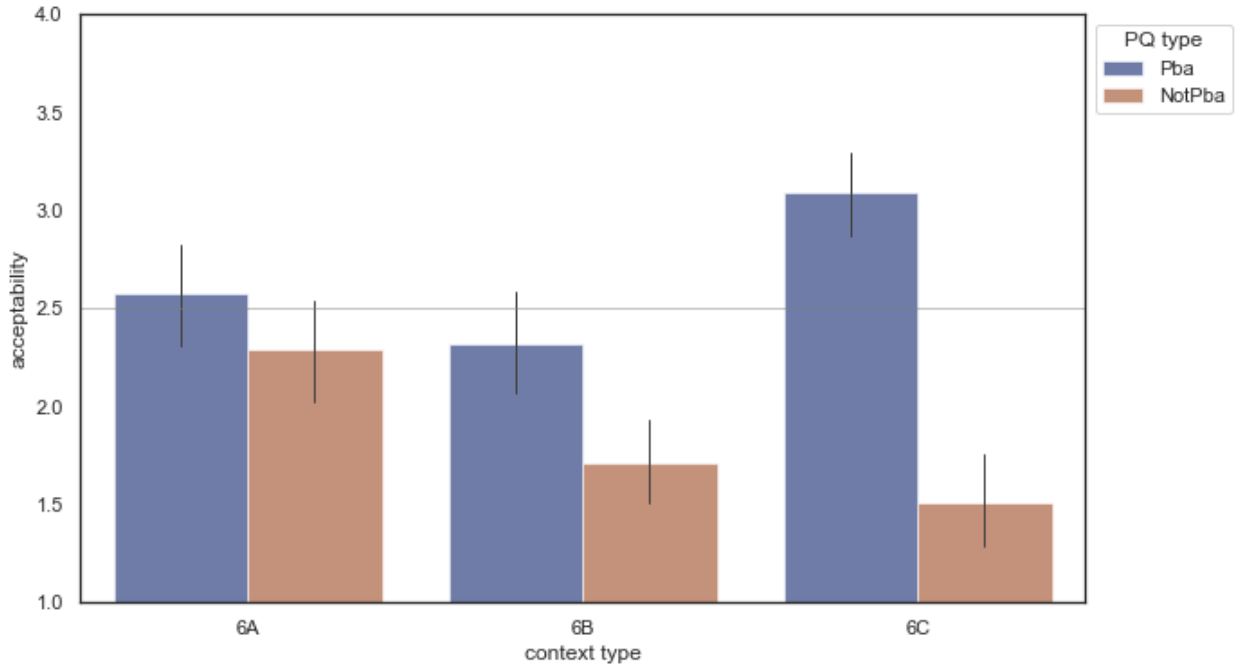


No significant difference ($p > 0.05$) between contexts 6A and 6B

```
##
##  F test to compare two variances
##
## data:  Pba_6a and Pba_6b
## F = 1.1355, num df = 44, denom df = 43, p-value = 0.6779
## alternative hypothesis: true ratio of variances is not equal to 1
## 95 percent confidence interval:
##  0.6211457 2.0715277
## sample estimates:
## ratio of variances
##           1.135531

##
##  Two Sample t-test
##
## data:  Pba_6a and Pba_6b
## t = 1.3411, df = 87, p-value = 0.1834
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  -0.1251483  0.6443402
## sample estimates:
## mean of x mean of y
##  2.577778  2.318182
```

P ba vs. not-P ba: in contexts 6A, 6B & 6C

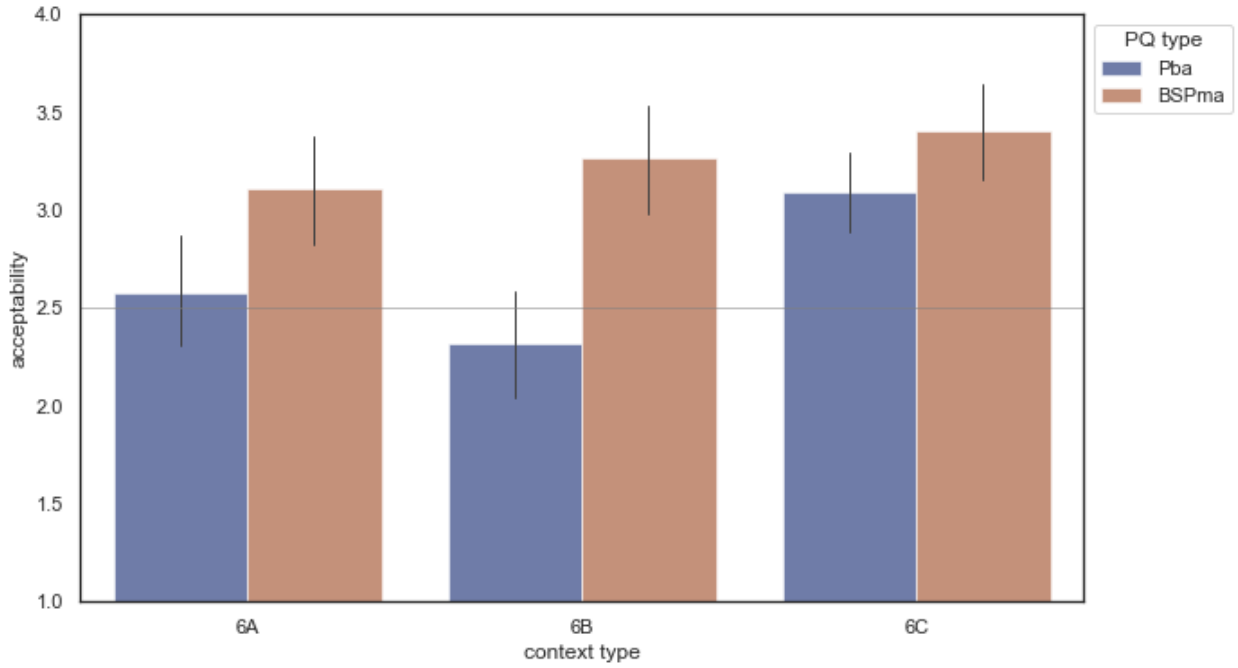


There is significant difference ($p < 0.05$) of Not-Pba between contexts 6A & 6B

```
##
##  F test to compare two variances
##
## data:  notPba_6a and notPba_6b
## F = 1.4302, num df = 44, denom df = 44, p-value = 0.2392
## alternative hypothesis: true ratio of variances is not equal to 1
## 95 percent confidence interval:
##  0.7859564 2.6025638
## sample estimates:
## ratio of variances
##            1.43021

##
##  Two Sample t-test
##
## data:  notPba_6a and notPba_6b
## t = 3.4207, df = 88, p-value = 0.0009491
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.2421096 0.9134459
## sample estimates:
## mean of x mean of y
##  2.288889  1.711111
```

P ba vs. BSPma: in contexts 6A, 6B & 6C



No significant difference ($p > 0.05$) of BSPma between contexts 6A, 6B, and 6C

```
##
##  F test to compare two variances
##
## data:  BSPma_6a and BSPma_6b
## F = 1.0939, num df = 44, denom df = 44, p-value = 0.7672
## alternative hypothesis: true ratio of variances is not equal to 1
## 95 percent confidence interval:
##  0.6011566 1.9906303
## sample estimates:
## ratio of variances
##           1.093929

##
##  F test to compare two variances
##
## data:  BSPma_6a and BSPma_6c
## F = 1.5837, num df = 44, denom df = 44, p-value = 0.1311
## alternative hypothesis: true ratio of variances is not equal to 1
## 95 percent confidence interval:
##  0.8703313 2.8819572
## sample estimates:
## ratio of variances
##           1.583748

##
##  F test to compare two variances
```

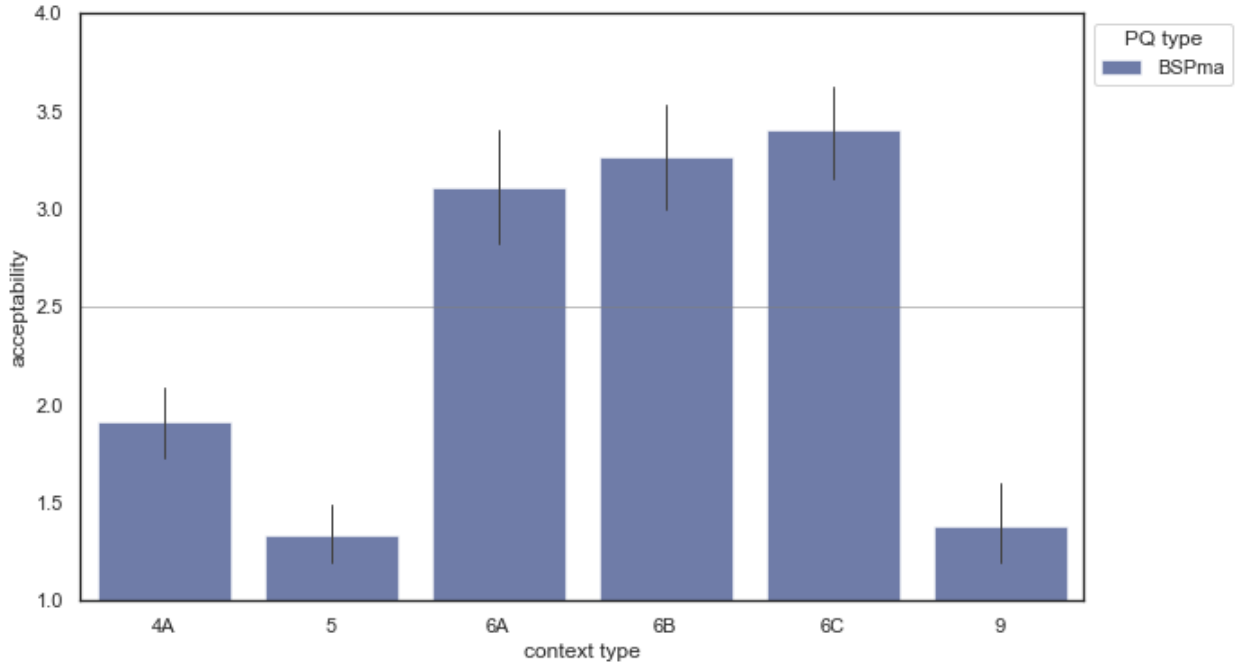
```
##
## data:  BSPma_6c and BSPma_6b
## F = 0.69072, num df = 44, denom df = 44, p-value = 0.2237
## alternative hypothesis: true ratio of variances is not equal to 1
## 95 percent confidence interval:
##  0.3795785 1.2569110
## sample estimates:
## ratio of variances
##          0.6907216
```

```
##
##  Two Sample t-test
##
## data:  BSPma_6a and BSPma_6b
## t = -0.76793, df = 88, p-value = 0.4446
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  -0.5581108  0.2469997
## sample estimates:
## mean of x mean of y
##  3.111111  3.266667
```

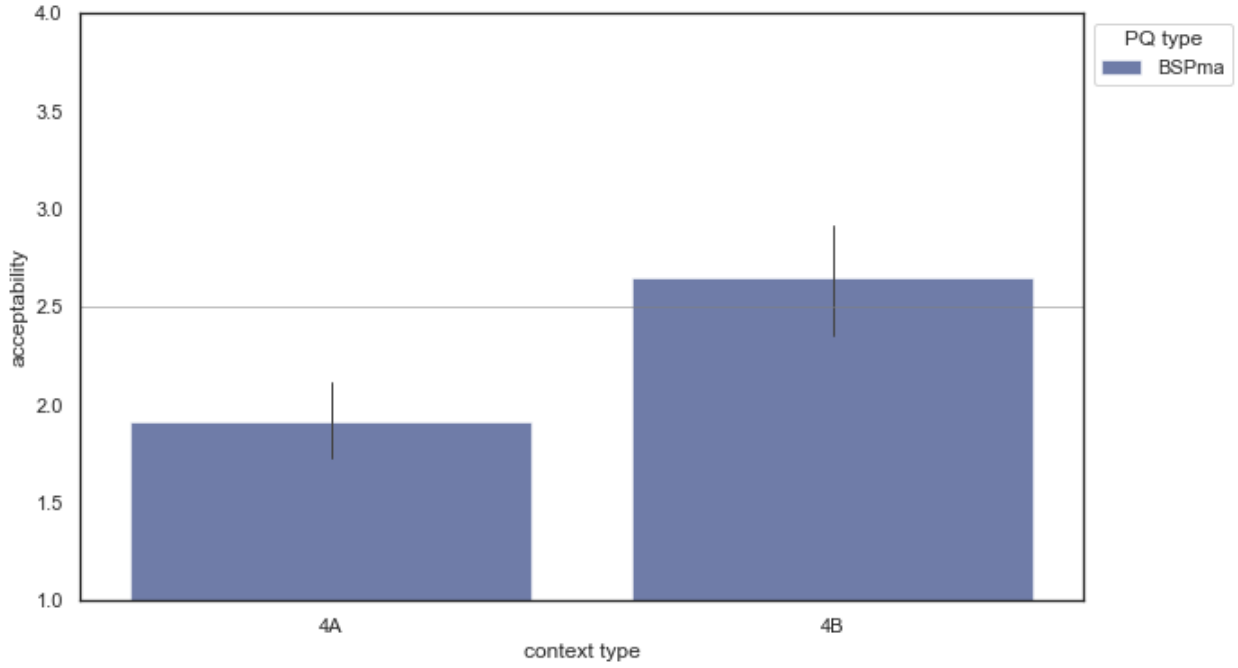
```
##
##  Two Sample t-test
##
## data:  BSPma_6a and BSPma_6c
## t = -1.5448, df = 88, p-value = 0.126
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  -0.66052772  0.08274995
## sample estimates:
## mean of x mean of y
##  3.111111  3.400000
```

```
##
##  Two Sample t-test
##
## data:  BSPma_6c and BSPma_6b
## t = 0.73252, df = 88, p-value = 0.4658
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  -0.2283933  0.4950600
## sample estimates:
## mean of x mean of y
##  3.400000  3.266667
```

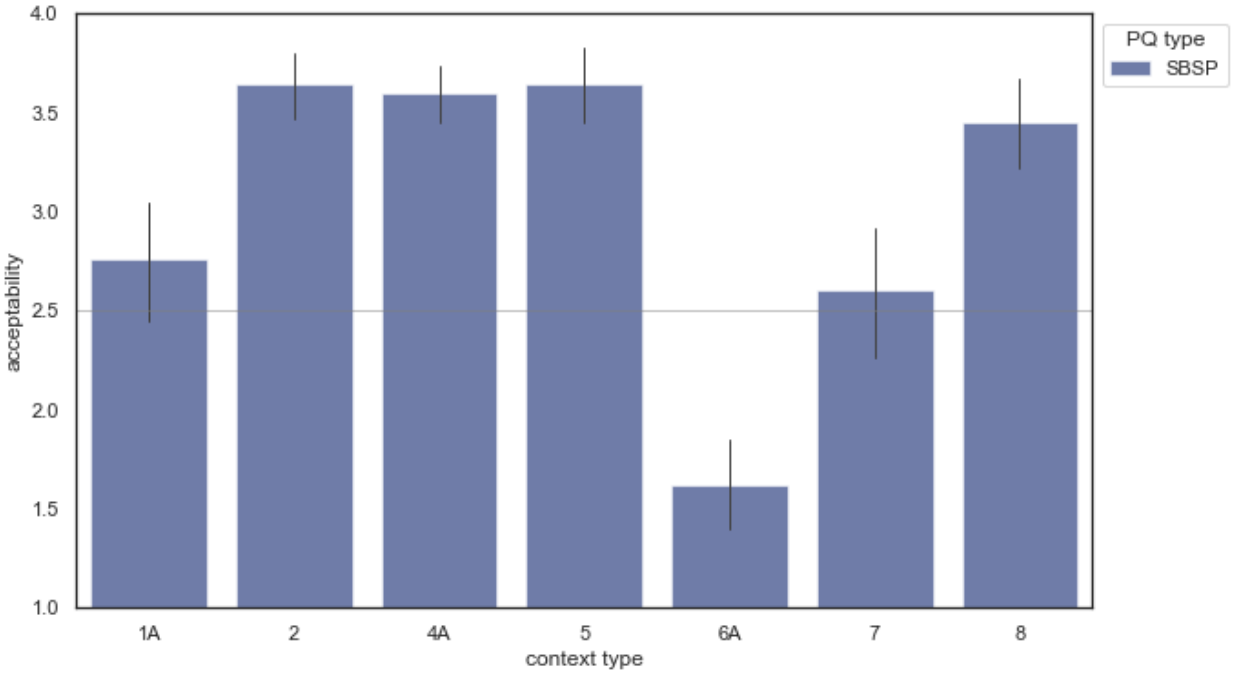
BSPma



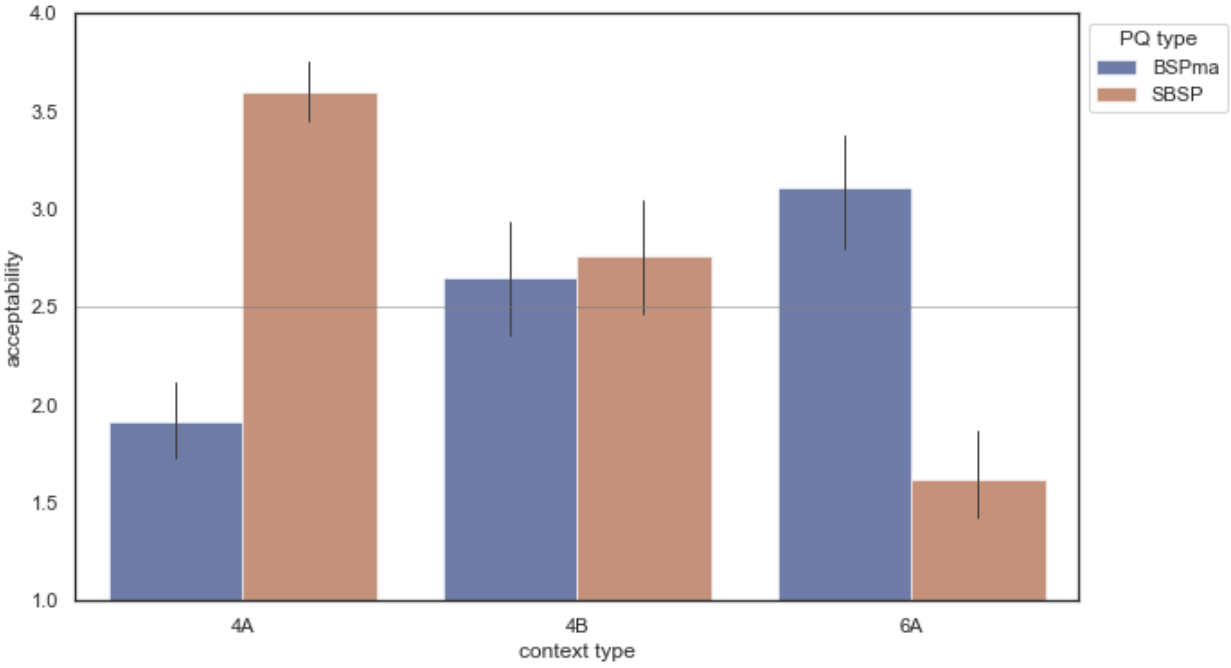
BSPma: 4A vs. 4B



SBSP


4.0
3.5
3.0
2.5
2.0
1.5
1.0
acceptability
1A
2
4A
5
6A
7
8
context type
PQ type
SBSP

BSPma vs. SBSP

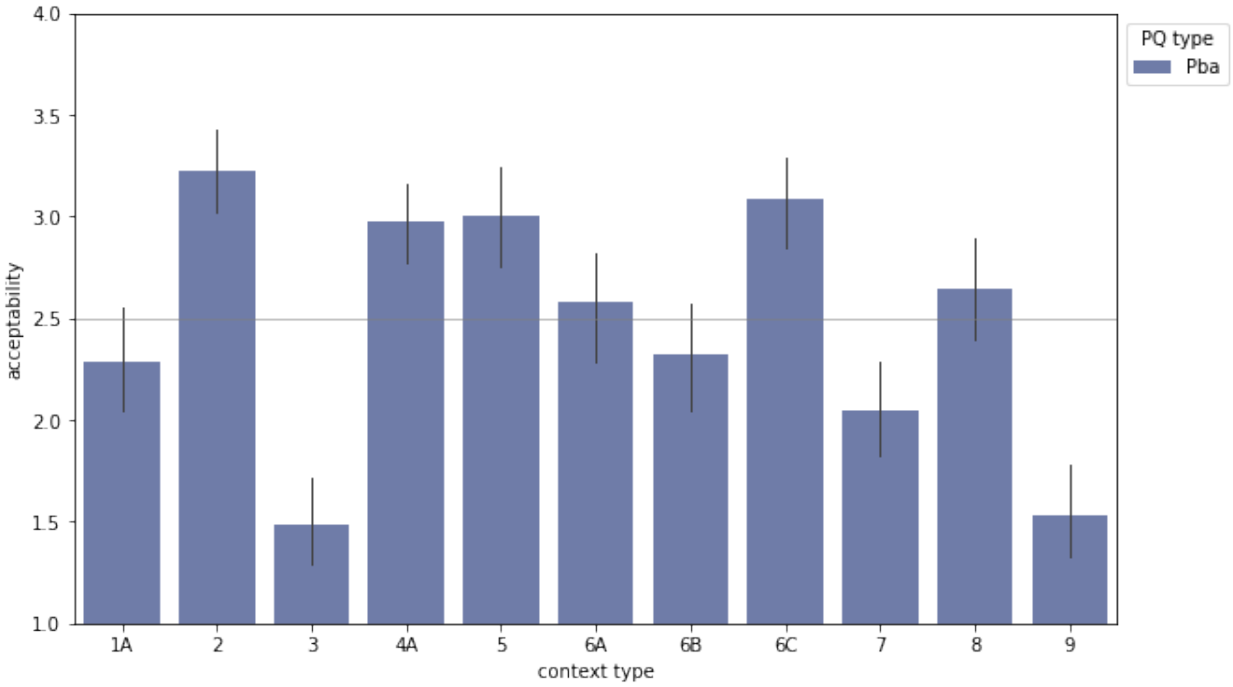


No significant difference ($p > 0.05$) in context 4B

```
##
##  F test to compare two variances
##
## data:  BSPma_4b and SBSP_4b
## F = 0.84099, num df = 44, denom df = 44, p-value = 0.5682
## alternative hypothesis: true ratio of variances is not equal to 1
## 95 percent confidence interval:
##  0.4621565 1.5303543
## sample estimates:
## ratio of variances
##          0.8409894
```

```
##
##  Two Sample t-test
##
## data:  BSPma_4b and SBSP_4b
## t = -0.51373, df = 88, p-value = 0.6087
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  -0.5409307  0.3187085
## sample estimates:
## mean of x mean of y
##  2.644444  2.755556
```

P ba



P ba vs. SBSP