

Analysis of Eyewitness ranking data: Experiment 2

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##Demographics

	vars	n	mean	sd	median	trimmed	mad	min	max	range	skew	kurtosis	
X1	1	2029	37.47856	11.54407	35	36.28677	10.3782	18	99	81	0.9436961	0.6165098	0.2

##Counts of correct identifications within each rank position ###Across different levels of memory

###Total counts

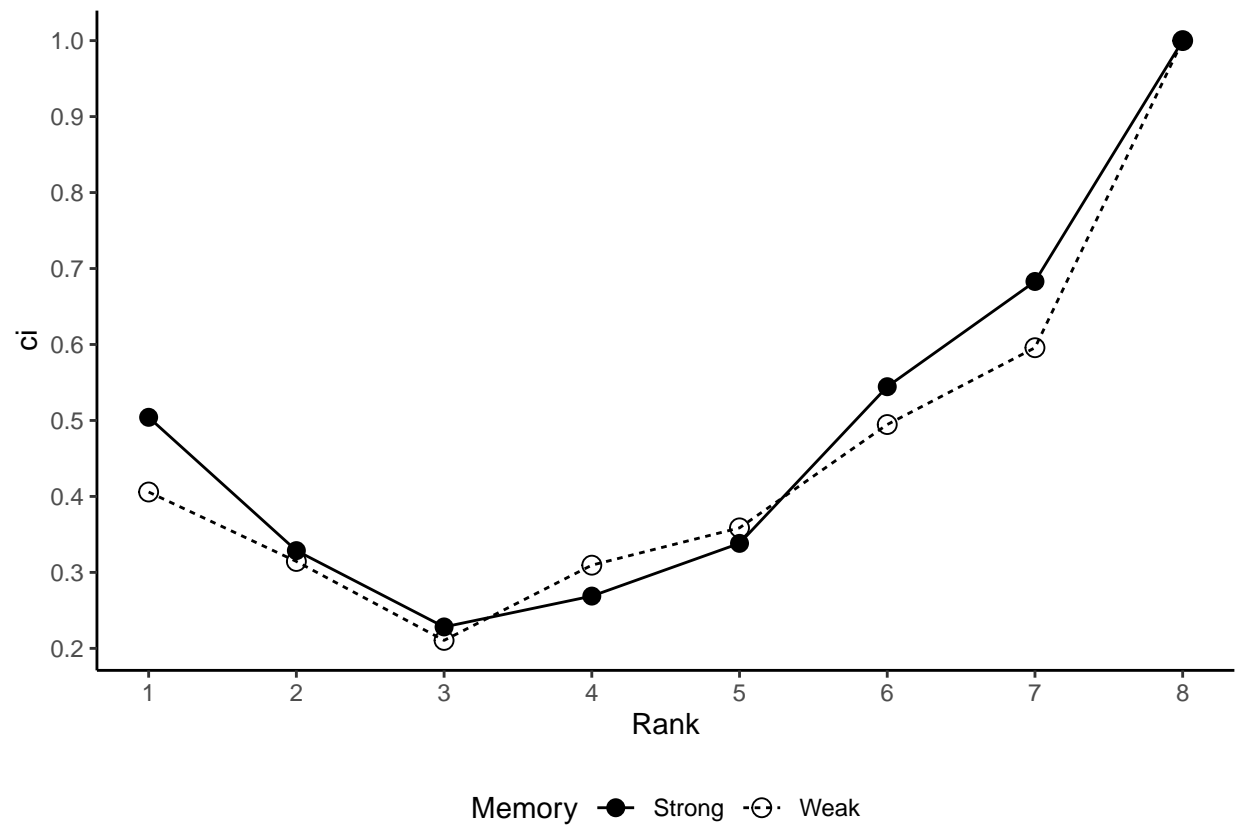
memory	r1	r2	r3	r4	r5	r6	r7	r8
S	365	118	55	50	46	49	28	13
VW	224	95	63	56	56	75	39	43
W	265	122	56	65	52	46	28	19
Total	854	335	174	171	154	170	95	75

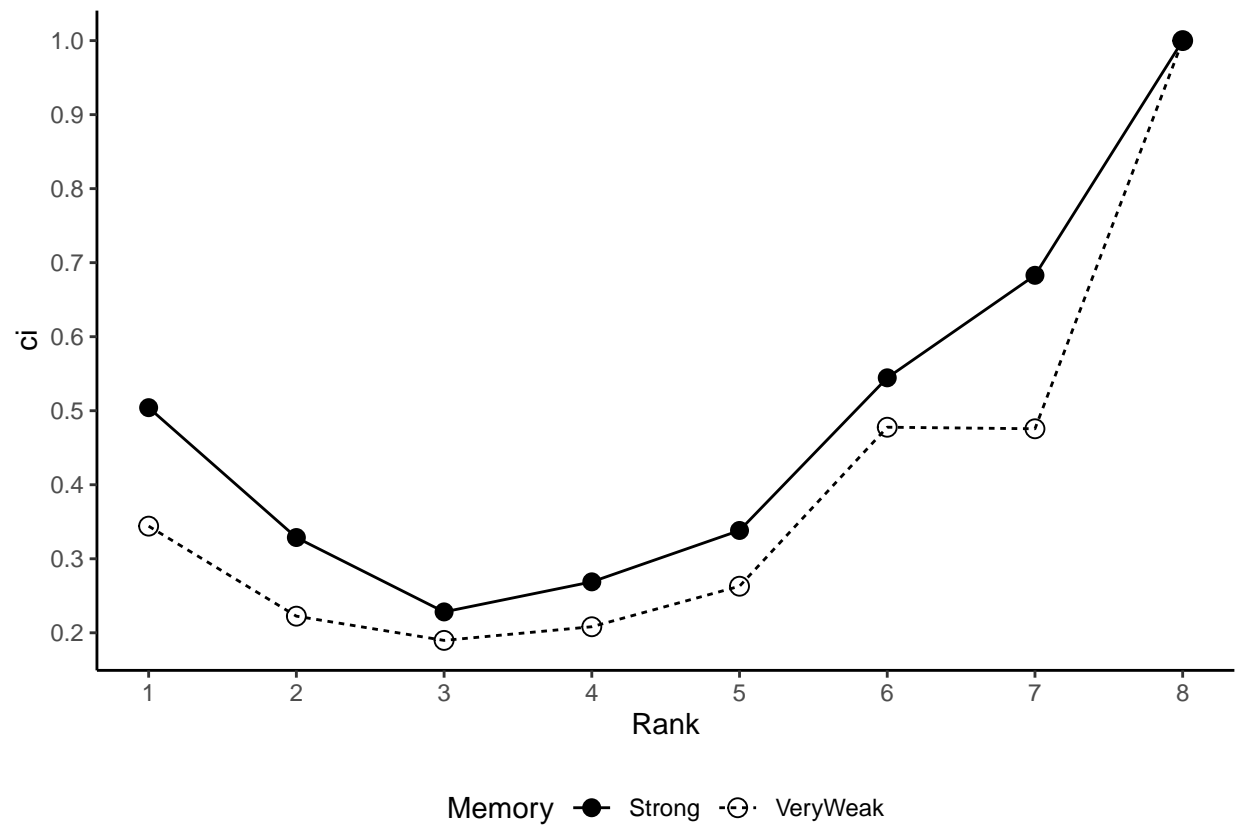
##Proportional correct

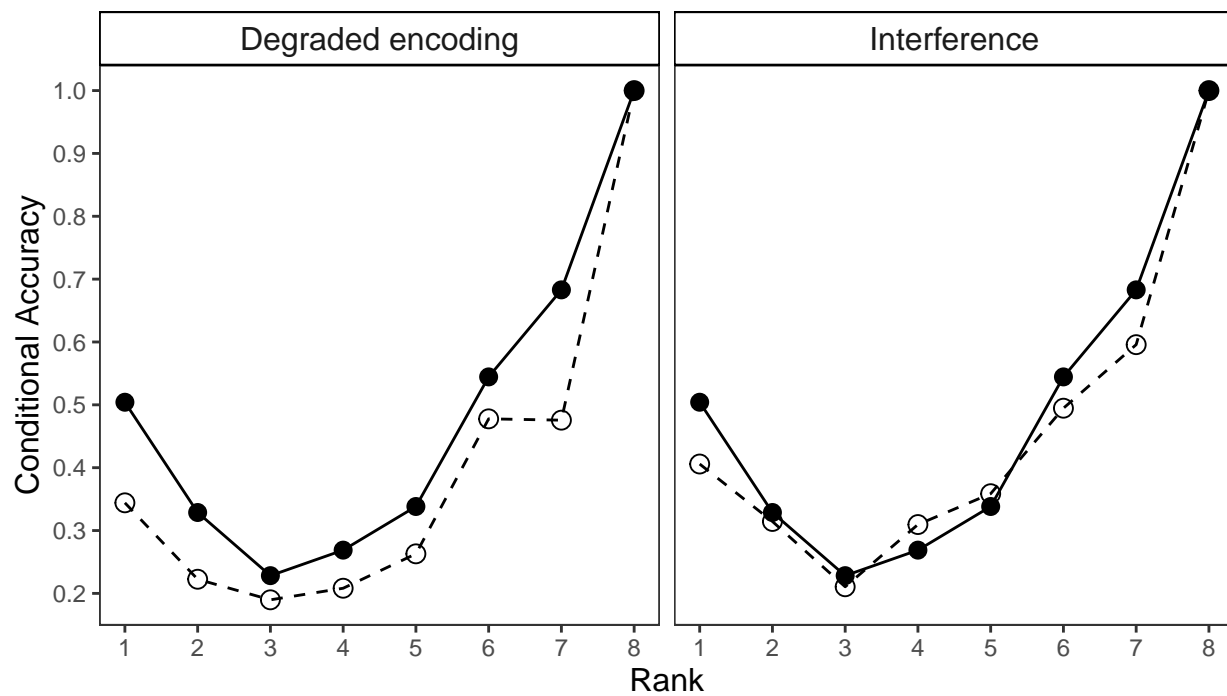
##Conditional rank probabilities

memory	c1	c2	c3	c4	c5	c6	c7	c8
S	0.5041436	0.3286908	0.2282158	0.2688172	0.3382353	0.5444444	0.6829268	1
VW	0.3440860	0.2224824	0.1897590	0.2081784	0.2629108	0.4777070	0.4756098	1
W	0.4058193	0.3144330	0.2105263	0.3095238	0.3586207	0.4946237	0.5957447	1

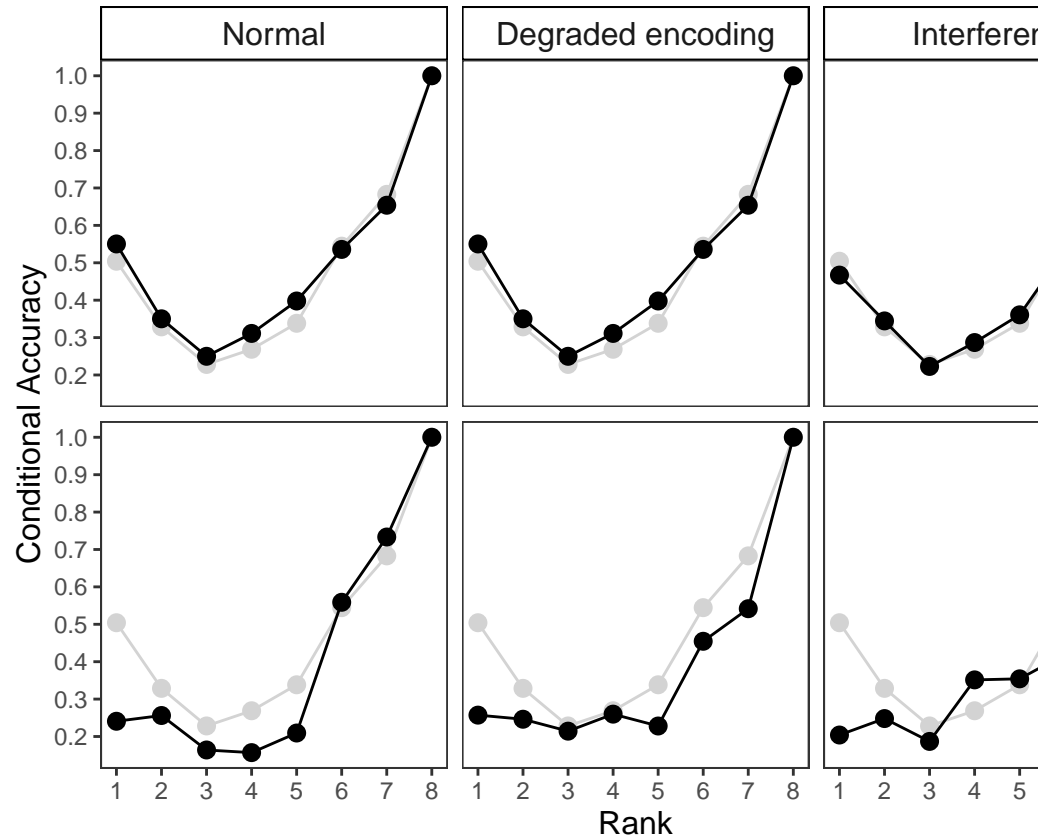
.	Freq
	0.0000000
female	0.5322819
male	0.4627896
other	0.0049285







##Cumulative accuracy memory-choice interaction



```
###Plot by choosers and memory
```

```
#Estimation of UV-SDT parameters
```

```
Model
```

```
Fitting function
```

```
###Results Strong memory
```

```
## [1] "Model fitting begins at 2019-09-27 10:52:51"
```

```
## [1] "Model fitting stopped at 2019-09-27 10:52:51"
```

```
## Time difference of 0.04536891 secs
```

```
## No function for computing Hessian Matrix specified or it failed. Hessian Matrix is estimated numerically
```

```
## Note: CIs are based on the numerically estimated Hessian matrix
```

```
##      Log.Likelihood G.Squared df      p.value
```

```
## 1      -8.10041 0.8876801  6 0.9895141
```

```
##      estimates
```

```
## mu          0
```

```
Weak memory
```

```
## Presenting the best result out of 5 minimization runs.
```

```
## [1] "Model fitting begins at 2019-09-27 10:52:51"
```

```
## [1] "Model fitting stopped at 2019-09-27 10:52:51"
```

```
## Time difference of 0.06603289 secs
```

```
## No function for computing Hessian Matrix specified or it failed. Hessian Matrix is estimated numerically
```

```
## Note: CIs are based on the numerically estimated Hessian matrix
```

```

##   Log.Likelihood G.Squared df   p.value
## 1      -7.671666 0.8204468  5 0.9757109

##           estimates
## mu              0
## sigma           1

Very Weak memory

## Presenting the best result out of 5 minimization runs.
## [1] "Model fitting begins at 2019-09-27 10:52:51"
## [1] "Model fitting stopped at 2019-09-27 10:52:51"
## Time difference of 0.06765699 secs

## No function for computing Hessian Matrix specified or it failed. Hessian Matrix is estimated numerically
## Note: CIs are based on the numerically estimated Hessian matrix

##   Log.Likelihood G.Squared df   p.value
## 1      -6.614149  1.065079  5 0.9571478

##           estimates lower.conf upper.conf
## mu              0          NA          NA
## sigma           1          NA          NA

Combined

## Presenting the best result out of 5 minimization runs.
## [1] "Model fitting begins at 2019-09-27 10:52:51"
## [1] "Model fitting stopped at 2019-09-27 10:52:51"
## Time difference of 0.1685519 secs

## No function for computing Hessian Matrix specified or it failed. Hessian Matrix is estimated numerically
## Note: CIs are based on the numerically estimated Hessian matrix

##   Log.Likelihood G.Squared df   p.value
## 1      -1150.457  20.57892  5 0.0009726615

##           weak  combined strong
## mu          0 0.9592718      0
## sigma       1 1.0000000      0

## pdf
## 2

```