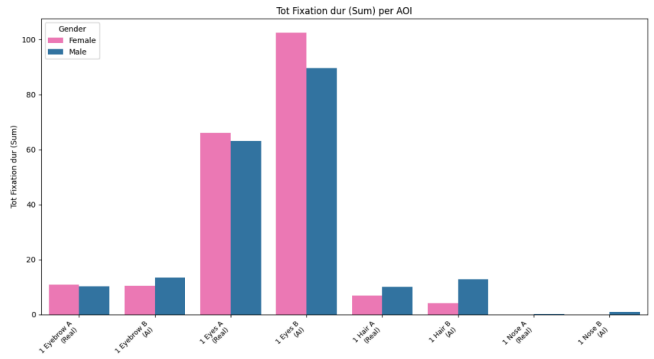
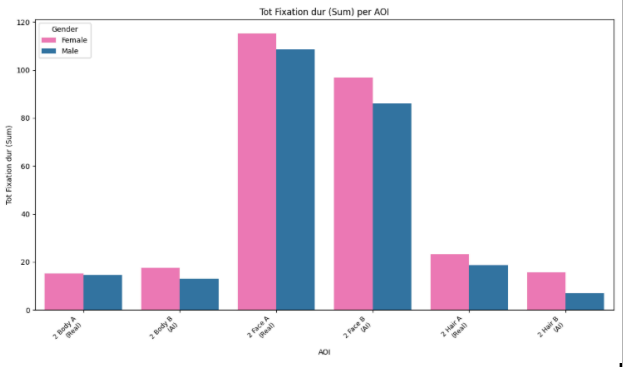
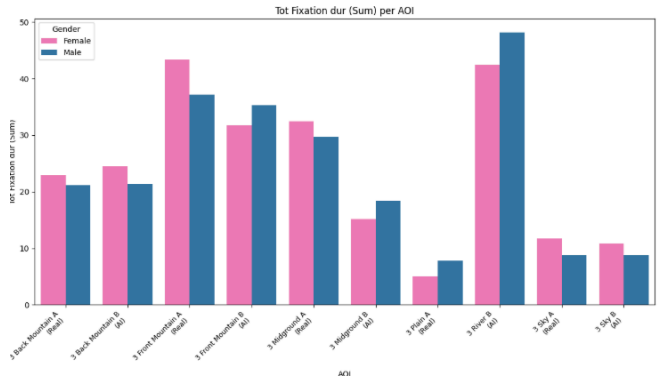
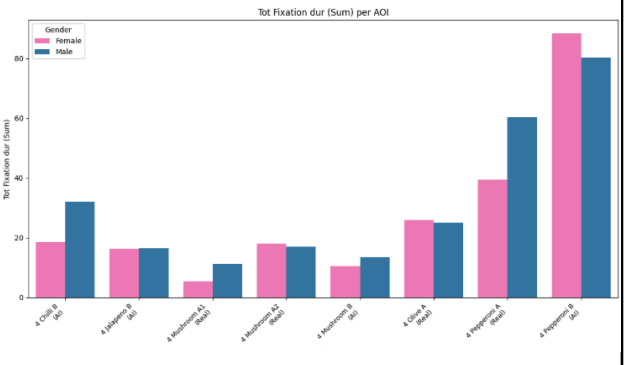
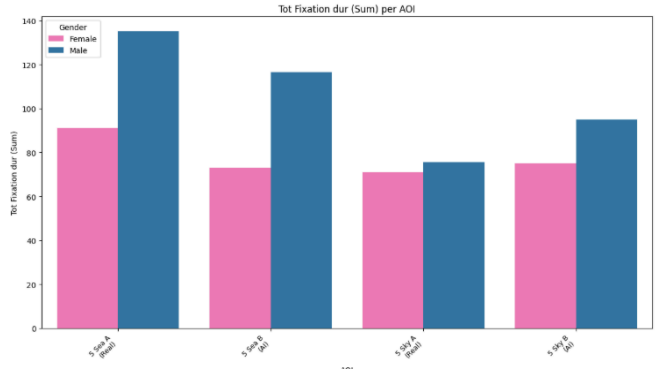
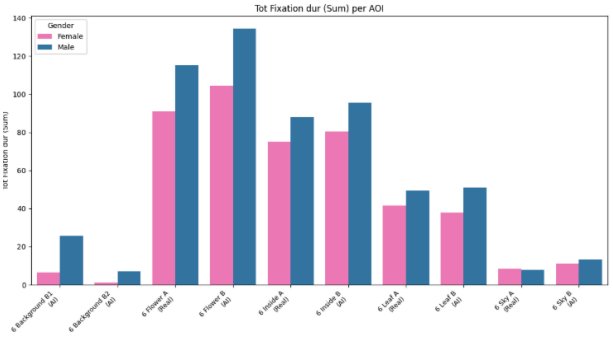
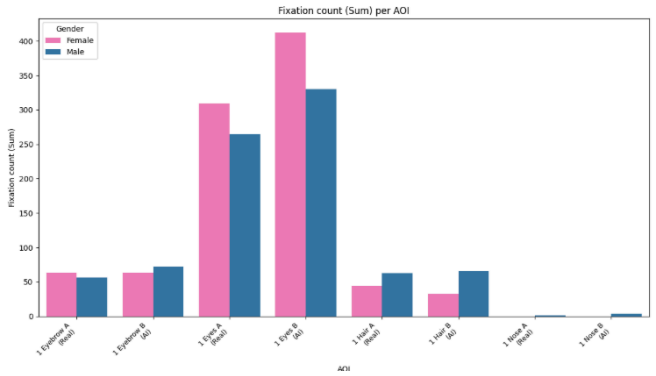
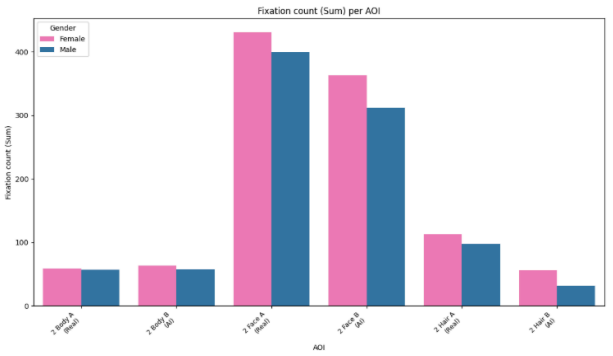
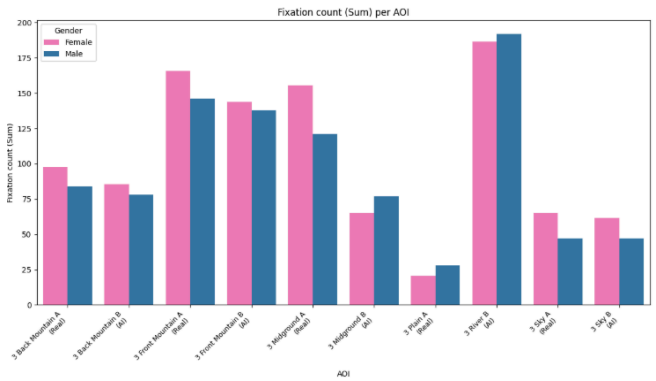
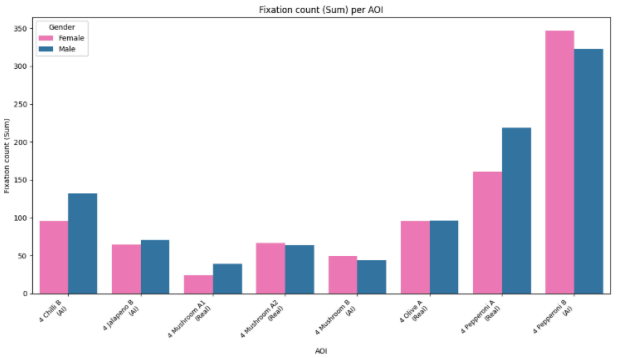
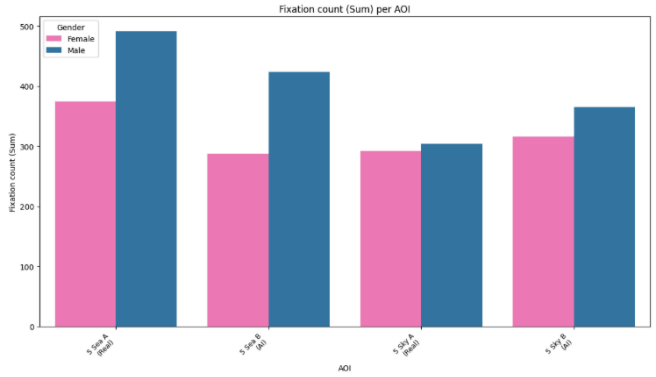
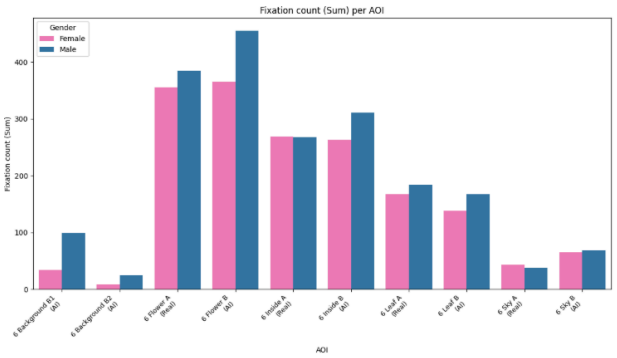
Visualization 1
Bar Plot:
Total Fixation Duration per AOI by Gender

Q1	Q2
	
Q3	**Q4**
	
Q5	**Q6**
	

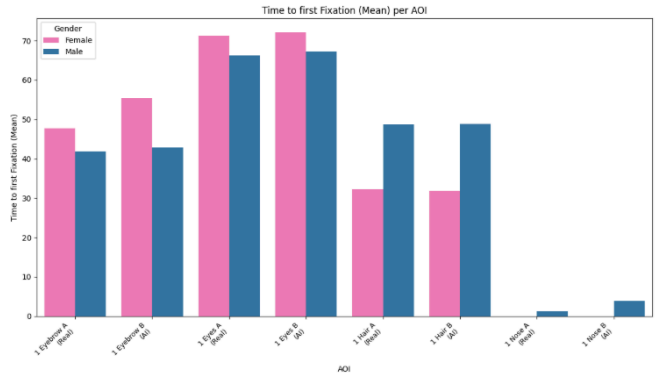
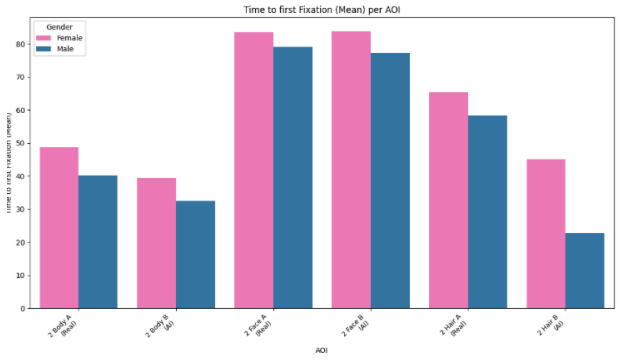
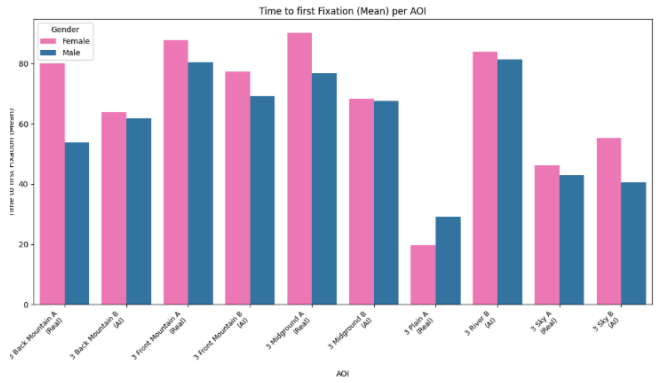
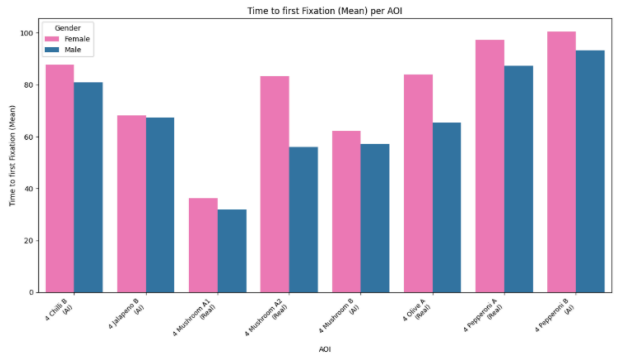
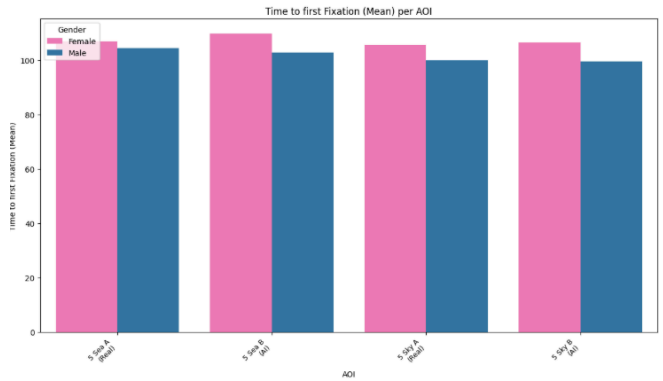
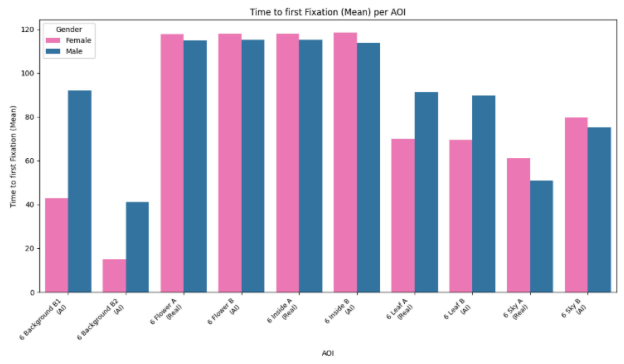
Summary:
Females showed longer fixation durations on certain AOIs (Q2), while males had higher durations in others like Q5 and Q6. This suggests that gender differences in visual attention depend on the content.

Visualization 2
Bar Plot:
Fixation count per AOI by Gender

Q1	Q2
	
Q3	**Q4**
	
Q5	**Q6**
	

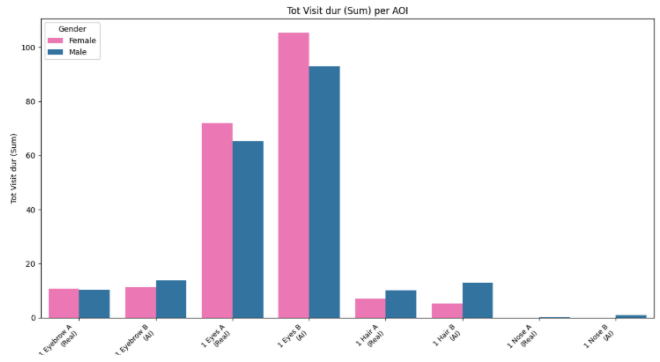
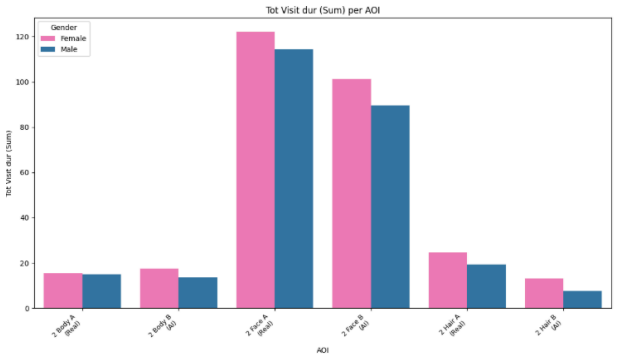
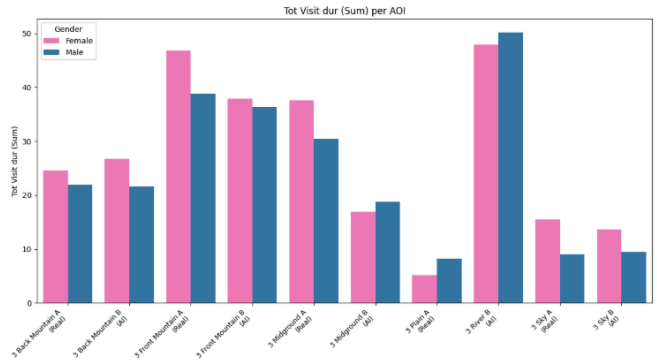
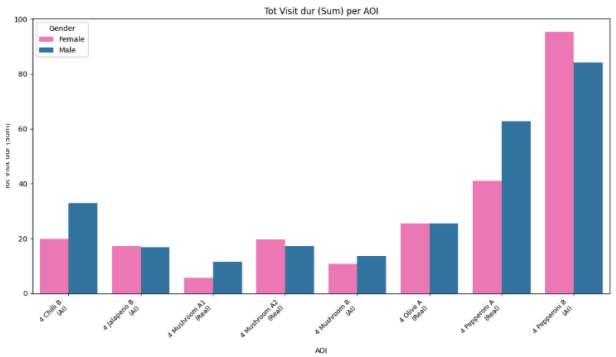
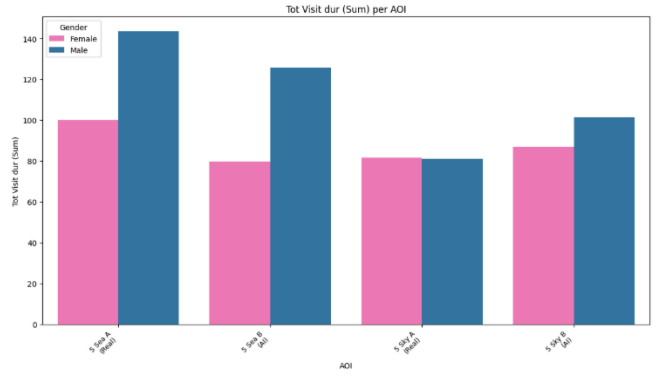
Summary:
Fixation counts varied by gender across questions. Females had more fixations in some images, while males led in others. This shows that gender differences in visual attention are content-dependent.

Visualization 3
Bar Plot:
Time to First Fixation per AOI by Gender

Q1	Q2
	
Q3	**Q4**
	
Q5	**Q6**
	

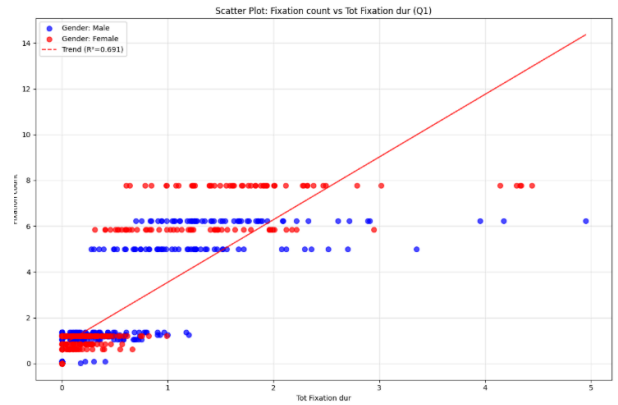
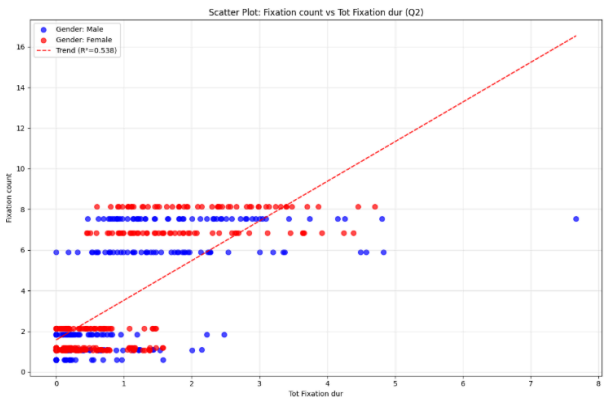
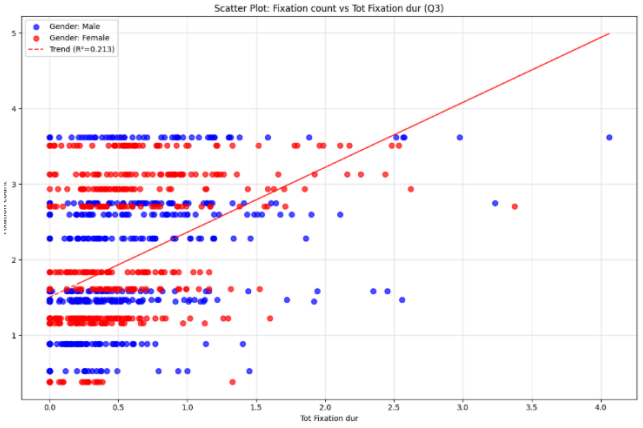
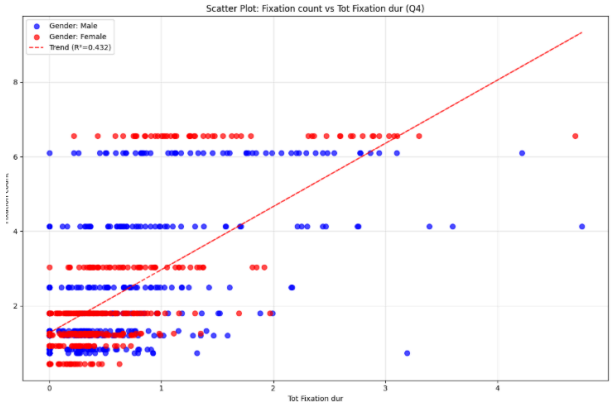
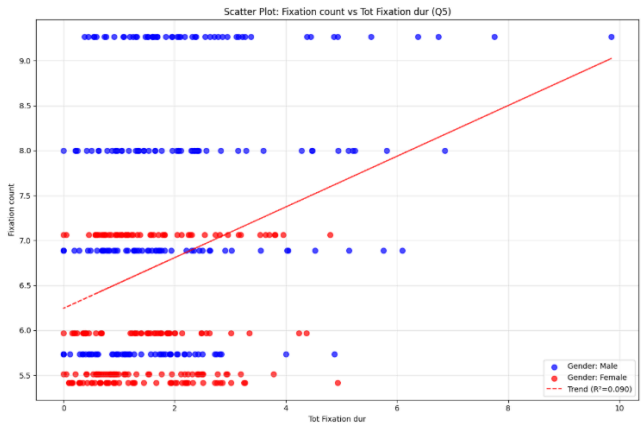
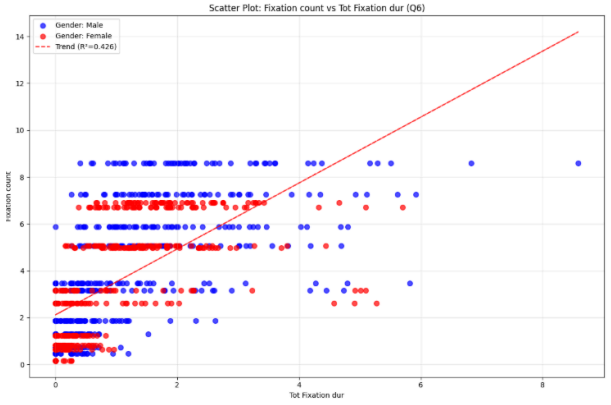
Summary:
From the visualisations above, in most cases, females had a longer time to first fixation compared to males, indicating they tended to direct their attention to AOIs more quickly across several images.

Visualization 4
Bar Plot:
Total Visit Duration per AOI by Gender

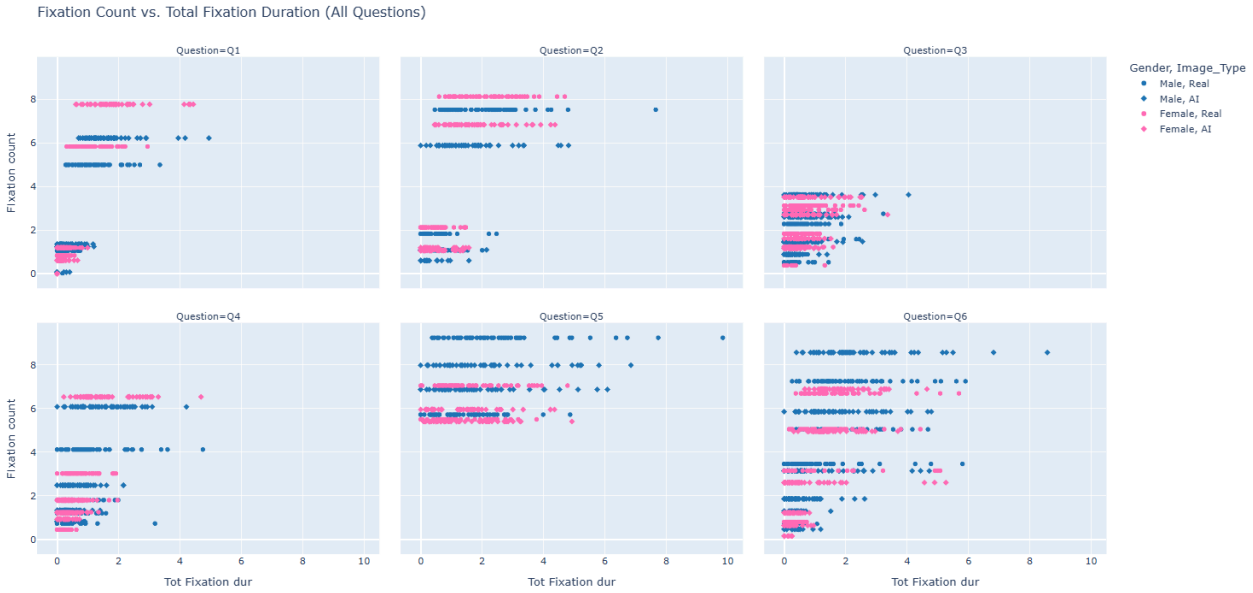
Q1	Q2
	
Q3	**Q4**
	
Q5	**Q6**
	

Summary:
Females spent more total time revisiting AOIs in certain questions , while males

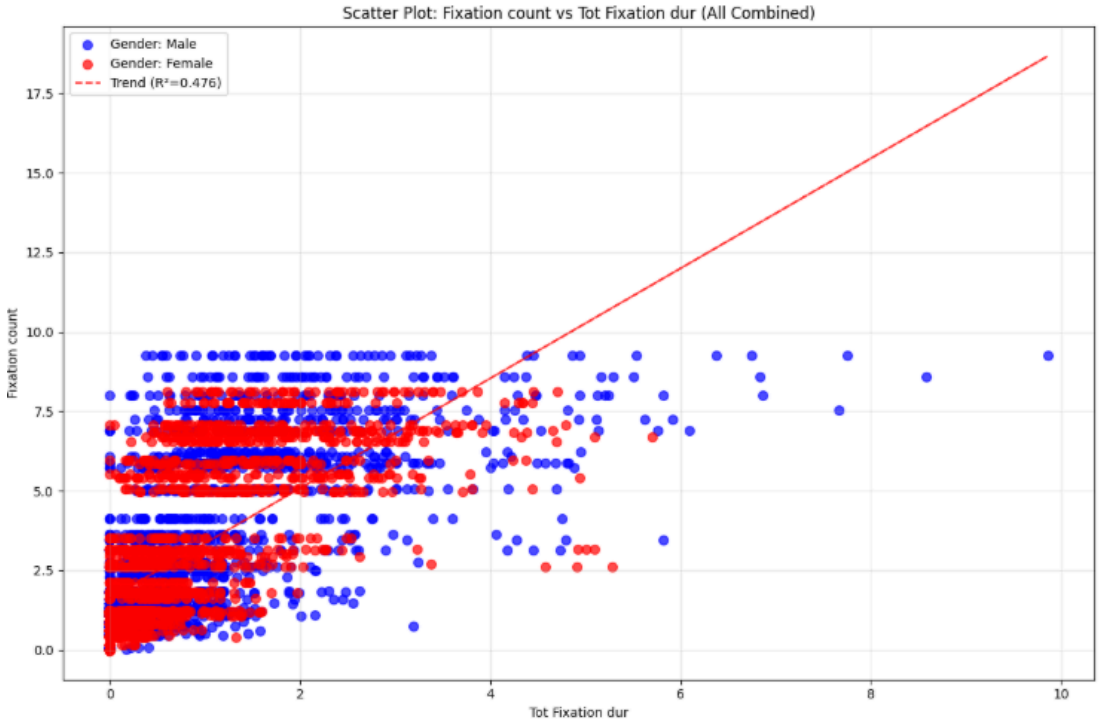
Visualization 5
Scatter Plot:
Relationship Between Fixation Count and Total Fixation Duration

Q1	Q2
	
Q3	**Q4**
	
Q5	**Q6**
	

Summary



Overall

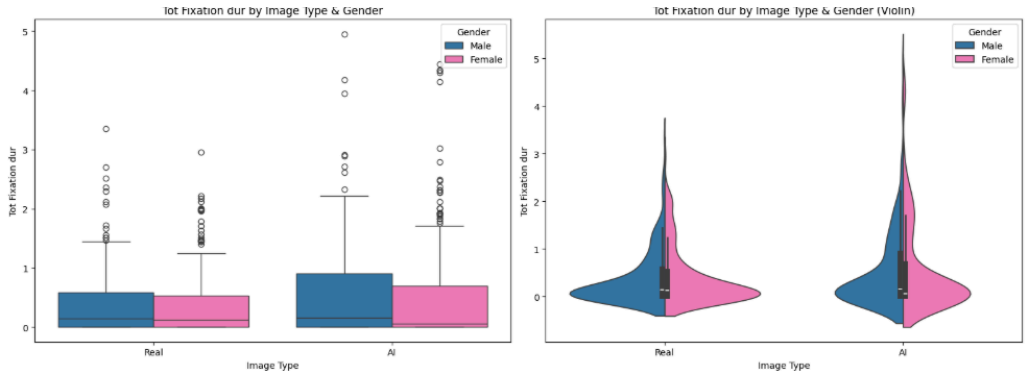


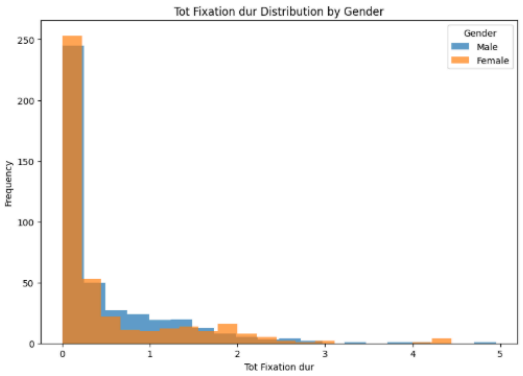
Summary:

Both genders showed a positive relationship between fixation duration and count, which means longer fixation durations tend to accompany higher fixation counts.The overall spread was often similar across all questions with some questions revealed subtle gender differences in the dispersion of data points, suggesting that the consistency of this duration-count relationship could occasionally vary between males and females depending on the visual stimuli.

Visualization 6
Distribution Comparisons:
Total Fixation Duration By Image Type and Gender

Q1



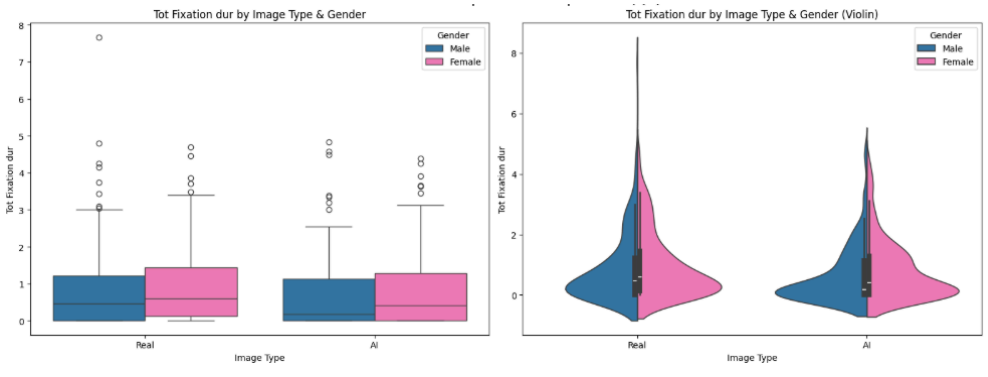


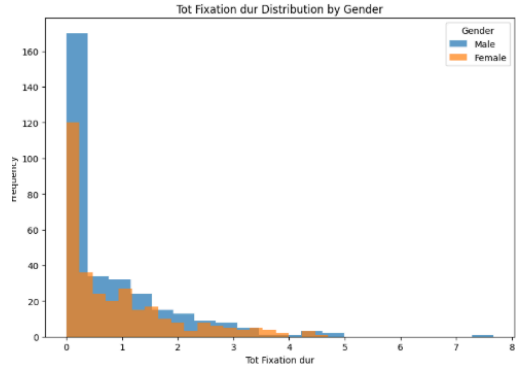
Summary Statistics

Summary Statistics for Tot Fixation dur

Gender	Image_Type	count	mean	std	min	max
Female	AI	212	0.55	0.93	0.0	4.44
	Real	212	0.39	0.59	0.0	2.95
Male	AI	212	0.55	0.82	0.0	4.95
	Real	212	0.39	0.58	0.0	3.35

Q2



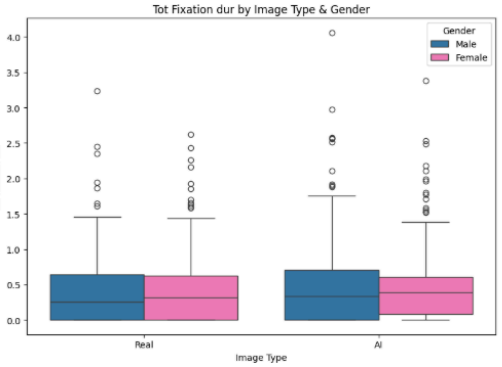


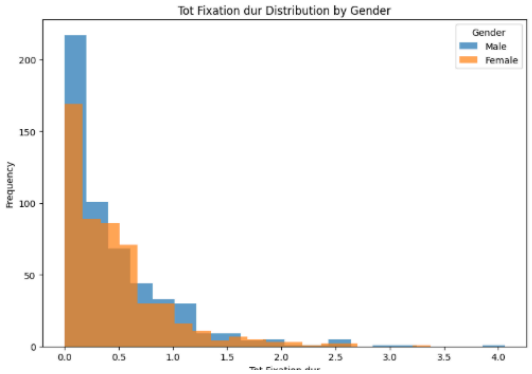
Summary Statistics

Summary Statistics for Tot Fixation dur

Gender	Image_Type	count	mean	std	min	max
Female	AI	159	0.82	1.00	0.0	4.38
	Real	159	0.97	1.08	0.0	4.70
Male	AI	159	0.67	0.97	0.0	4.83
	Real	159	0.89	1.17	0.0	7.67

Q3



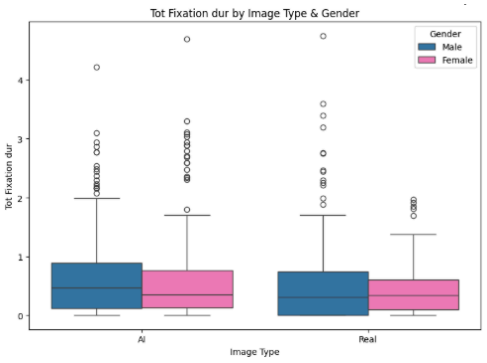


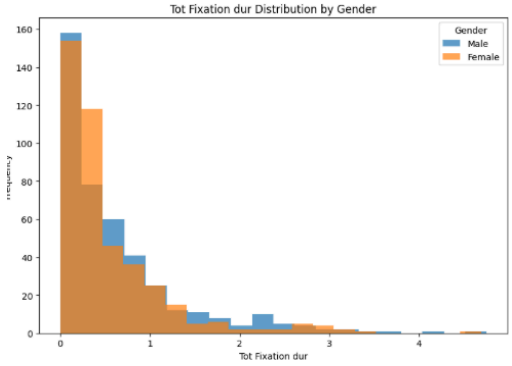
Summary Statistics

Summary Statistics for Tot Fixation dur

Gender	Image_Type	count	mean	std	min	max
Female	AI	265	0.47	0.50	0.0	3.38
	Real	265	0.44	0.48	0.0	2.62
Male	AI	265	0.50	0.59	0.0	4.06
	Real	265	0.39	0.48	0.0	3.23

Q4



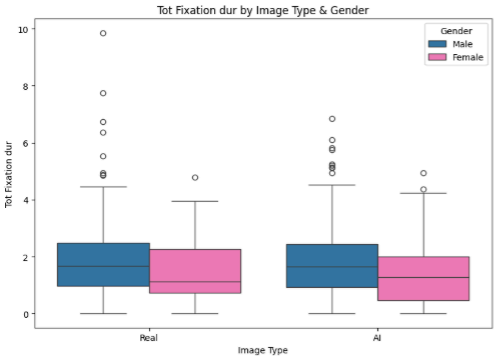


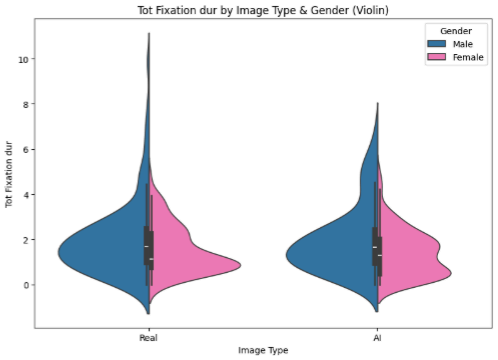
Summary Statistics

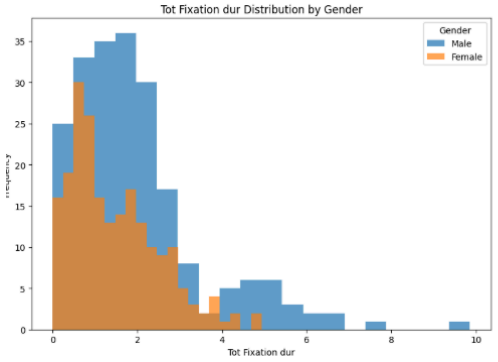
Summary Statistics for Tot Fixation dur

Gender	Image_Type	count	mean	std	min	max
Female	AI	212	0.63	0.79	0.0	4.69
	Real	212	0.42	0.41	0.0	1.97
Male	AI	212	0.67	0.75	0.0	4.22
	Real	212	0.54	0.74	0.0	4.75

Q5





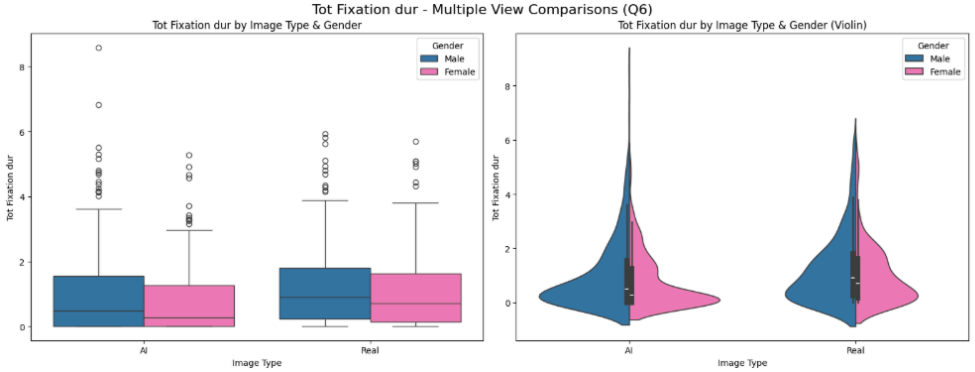


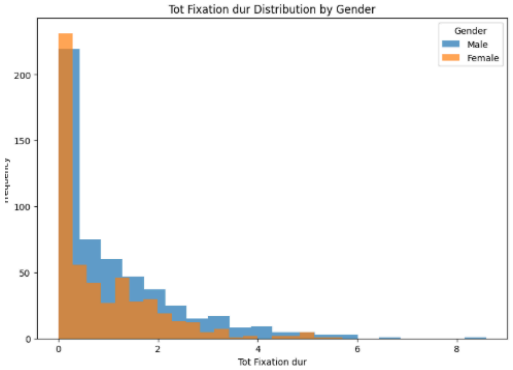
Summary Statistics

Summary Statistics for Tot Fixation dur

Gender	Image_Type	count	mean	std	min	max
Female	AI	106	1.40	1.03	0.0	4.93
	Real	106	1.53	1.05	0.0	4.79
Male	AI	106	1.99	1.52	0.0	6.86
	Real	106	1.99	1.63	0.0	9.86

Q6



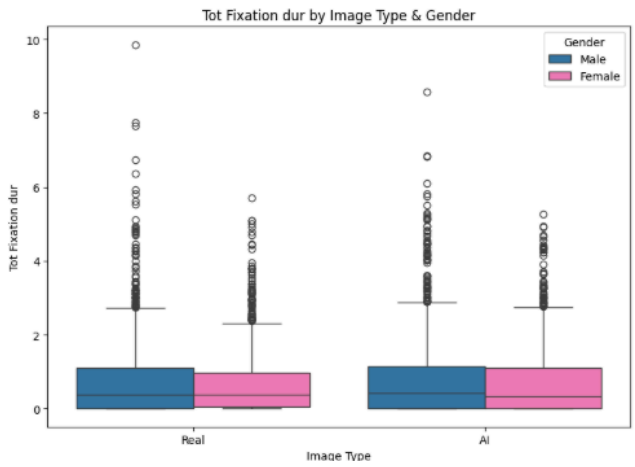


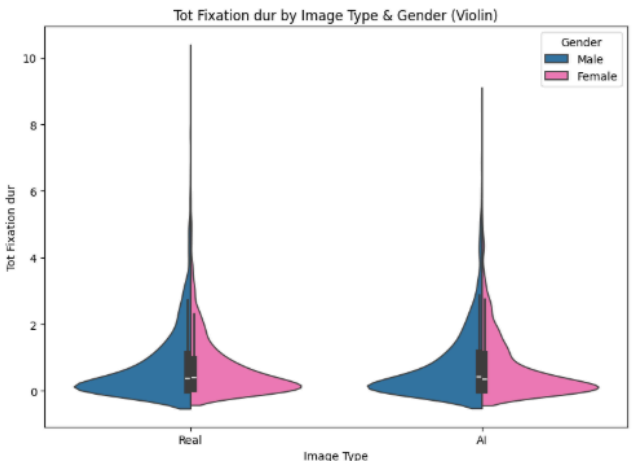
Summary Statistics

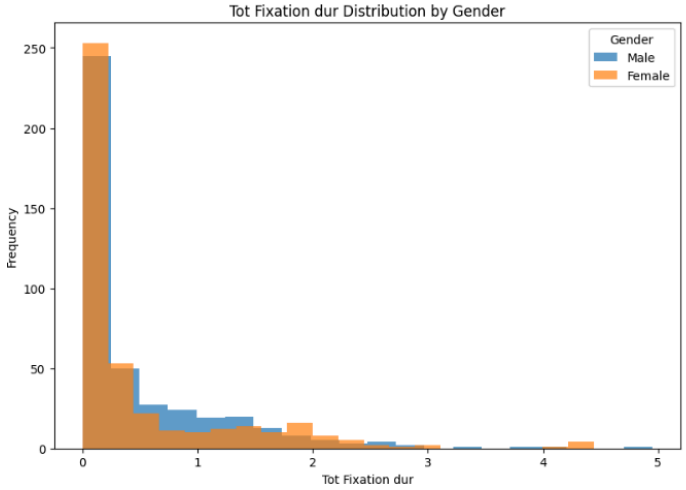
Summary Statistics for Tot Fixation dur

Gender	Image_Type	count	mean	std	min	max
Female	AI	318	0.76	1.00	0.0	5.28
	Real	212	1.02	1.11	0.0	5.70
Male	AI	318	1.03	1.31	0.0	8.58
	Real	212	1.23	1.29	0.0	5.92

Overall







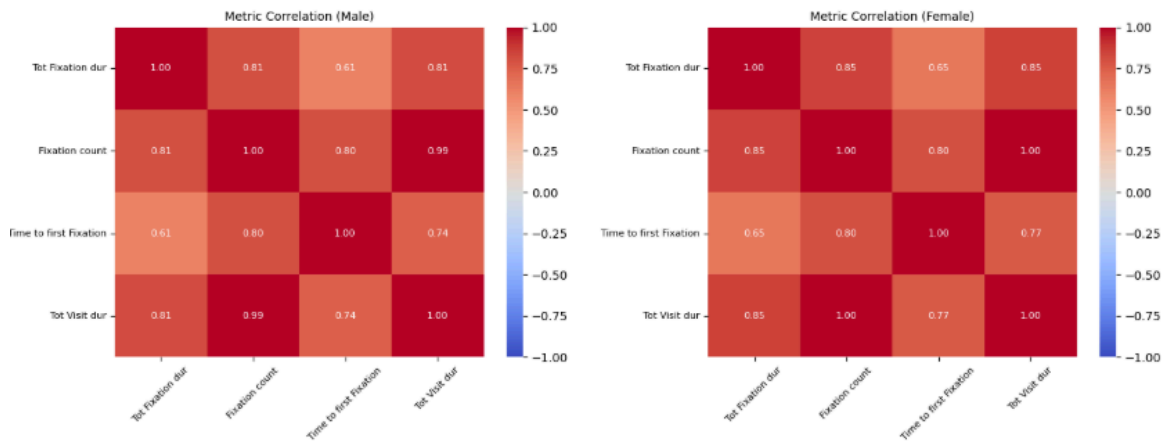
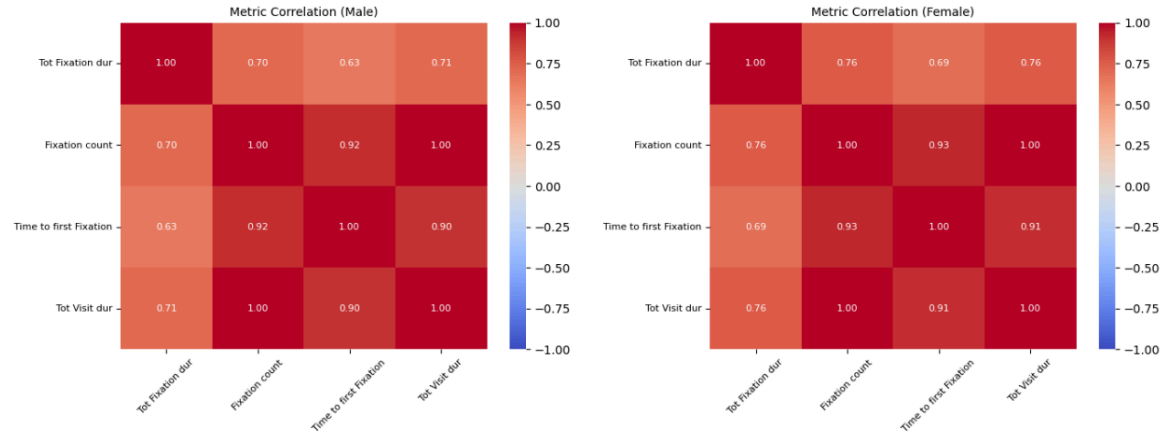
Summary Statistics

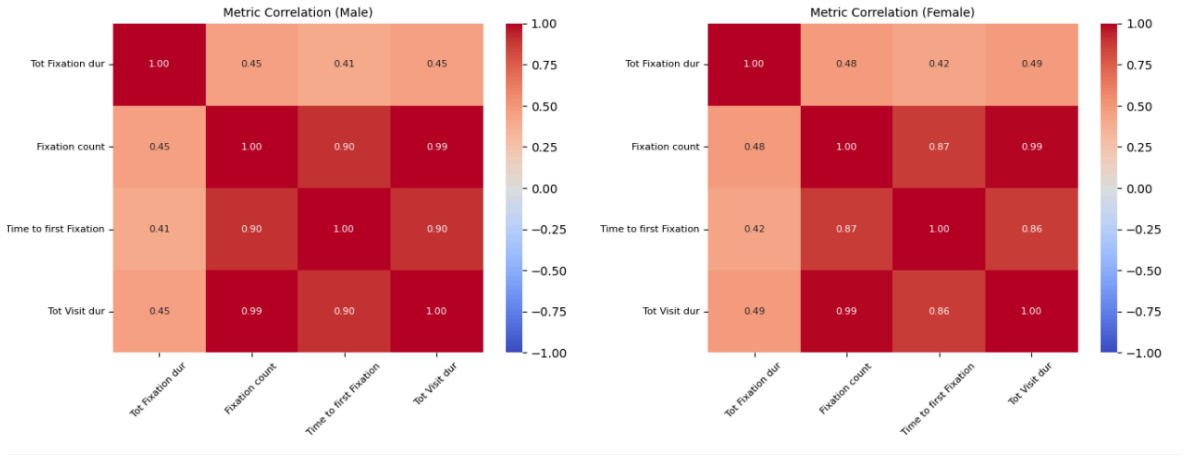
Summary Statistics for Tot Fixation dur

Gender	Image_Type	count	mean	std	min	max
Female	AI	212	0.55	0.93	0.0	4.44
	Real	212	0.39	0.59	0.0	2.95
Male	AI	212	0.55	0.82	0.0	4.95
	Real	212	0.39	0.58	0.0	3.35

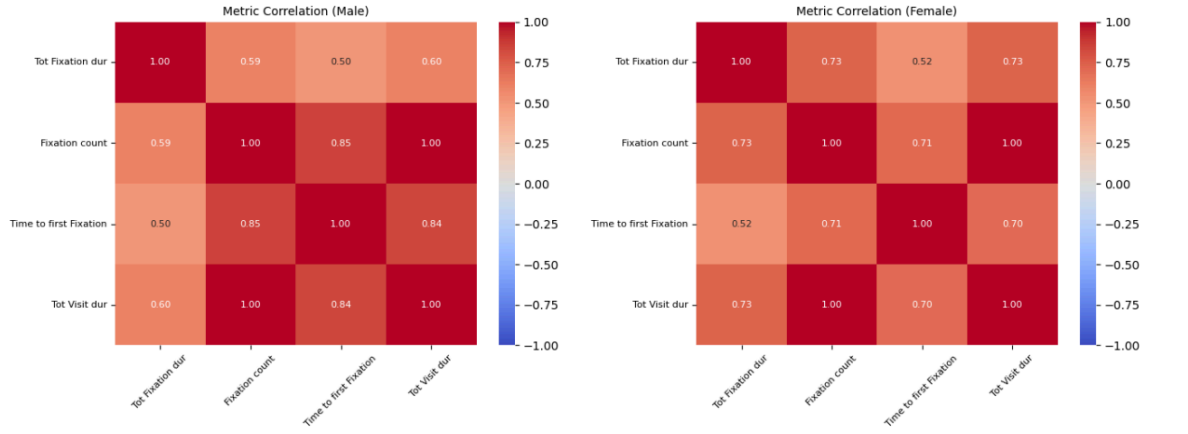
Summary:
Fixation patterns differed by image type. In some cases, females focused more on AI images and males showed a corresponding tendency towards real images. This suggests that gender-influenced attention is based on image authenticity.

Visualization 7
Correlation Heatmaps by Gender

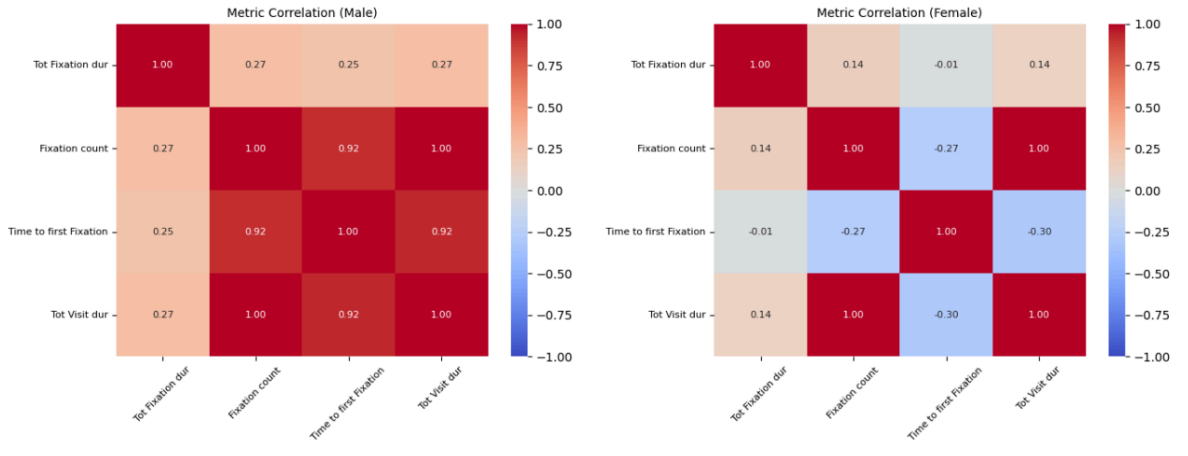
Q1

Q2

Q3


Metric Correlation (Male)
Tot Fixation dur
Fixation count
Time to first Fixation
Tot Visit dur
1.00 0.45 0.41 0.45
0.45 1.00 0.90 0.99
0.41 0.90 1.00 0.90
0.45 0.99 0.90 1.00
1.00 0.75 0.50 0.25 0.00 −0.25 −0.50 −0.75 −1.00
Metric Correlation (Female)
Tot Fixation dur
Fixation count
Time to first Fixation
Tot Visit dur
1.00 0.48 0.42 0.49
0.48 1.00 0.87 0.99
0.42 0.87 1.00 0.86
0.49 0.99 0.86 1.00
1.00 0.75 0.50 0.25 0.00 −0.25 −0.50 −0.75 −1.00

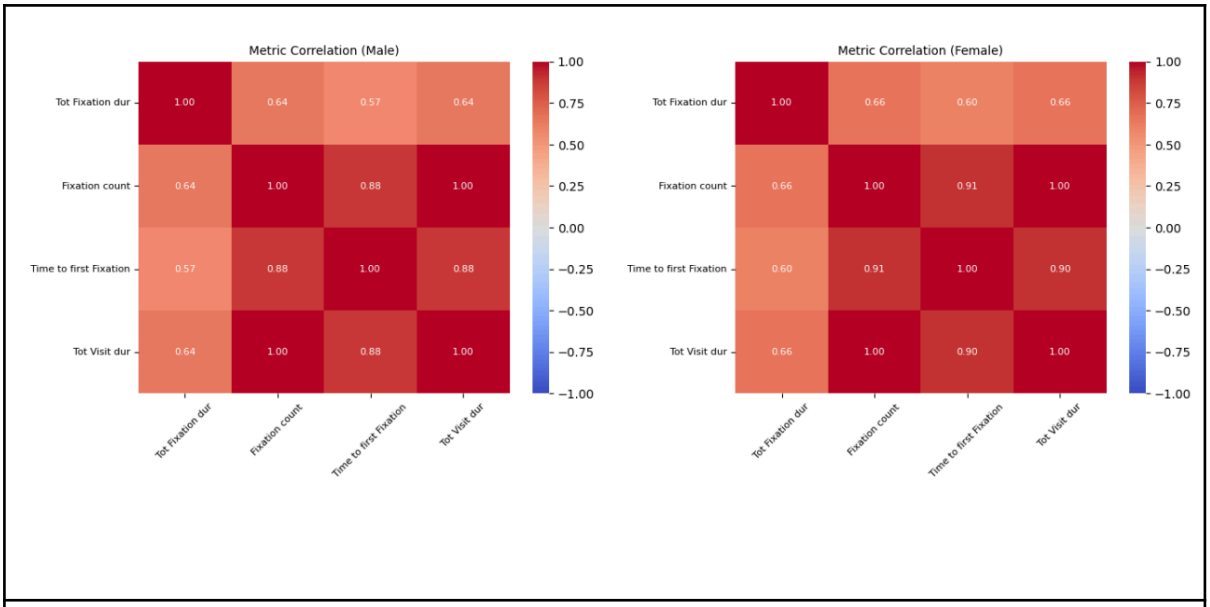
Q4


Metric Correlation (Male)
Tot Fixation dur
Fixation count
Time to first Fixation
Tot Visit dur
1.00 0.59 0.50 0.60
0.59 1.00 0.85 1.00
0.50 0.85 1.00 0.84
0.60 1.00 0.84 1.00
1.00 0.75 0.50 0.25 0.00 −0.25 −0.50 −0.75 −1.00
Metric Correlation (Female)
Tot Fixation dur
Fixation count
Time to first Fixation
Tot Visit dur
1.00 0.73 0.52 0.73
0.73 1.00 0.71 1.00
0.52 0.71 1.00 0.70
0.73 1.00 0.70 1.00
1.00 0.75 0.50 0.25 0.00 −0.25 −0.50 −0.75 −1.00

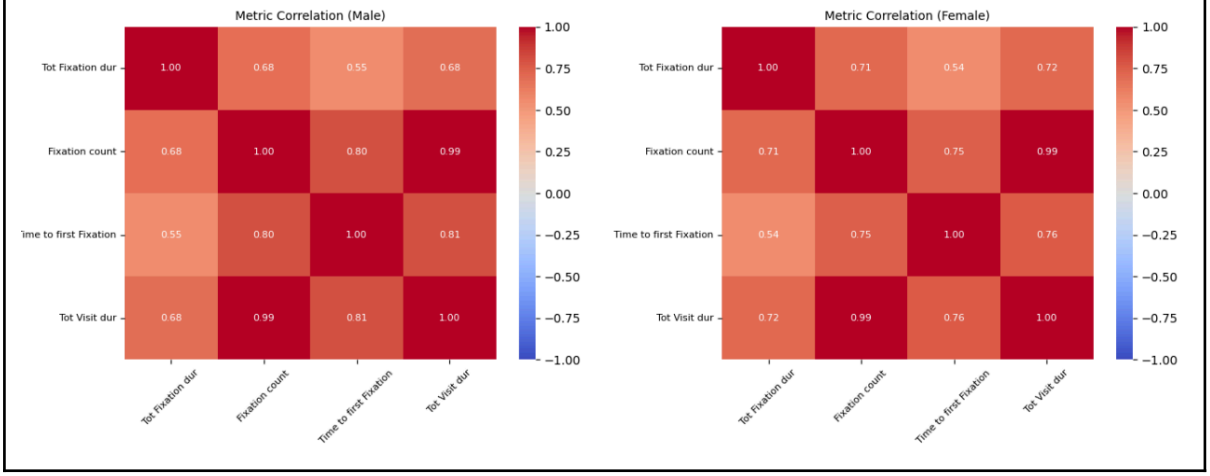
Q5


Metric Correlation (Male)
Tot Fixation dur
Fixation count
Time to first Fixation
Tot Visit dur
1.00 0.27 0.25 0.27
0.27 1.00 0.92 1.00
0.25 0.92 1.00 0.92
0.27 1.00 0.92 1.00
1.00 0.75 0.50 0.25 0.00 −0.25 −0.50 −0.75 −1.00
Metric Correlation (Female)
Tot Fixation dur
Fixation count
Time to first Fixation
Tot Visit dur
1.00 0.14 -0.01 0.14
0.14 1.00 -0.27 1.00
-0.01 -0.27 1.00 -0.30
0.14 1.00 -0.30 1.00
1.00 0.75 0.50 0.25 0.00 −0.25 −0.50 −0.75 −1.00

Q6



Overall



Summary:

Correlation heatmaps for each gender across eye-tracking metrics show varying degrees of inter-metric relationships. Total Visit Duration and Fixation Count had the strongest correlation, particularly among males whereas females have more balanced relationships across all metrics. These patterns indicate different cognitive strategies in image assessment.