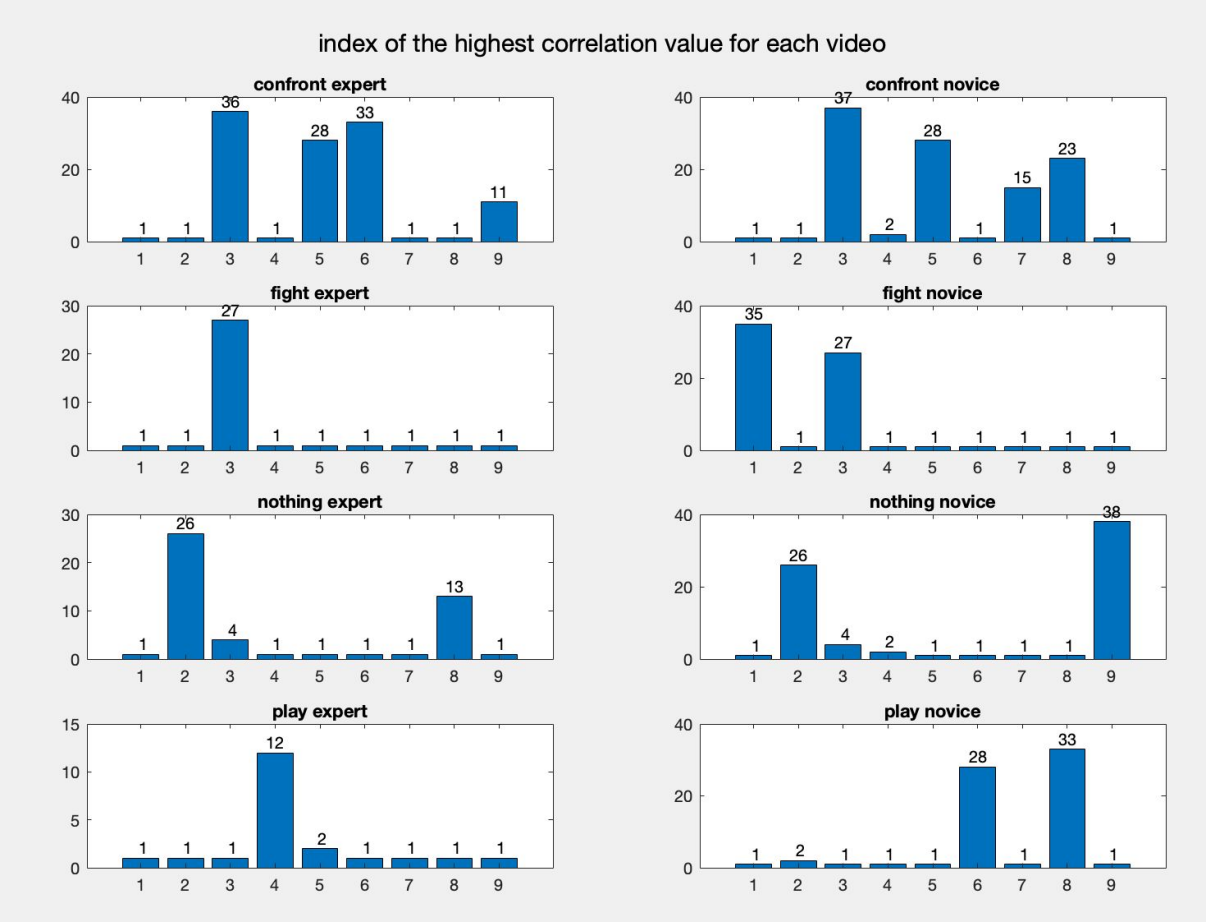
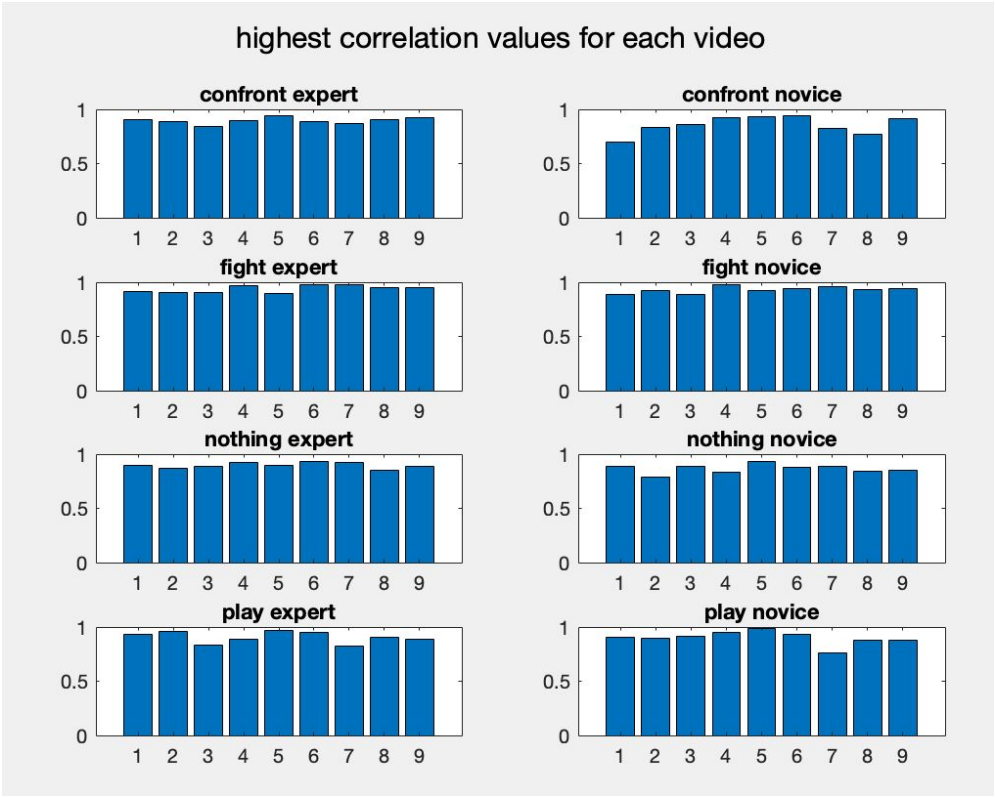
Individual frame comparison

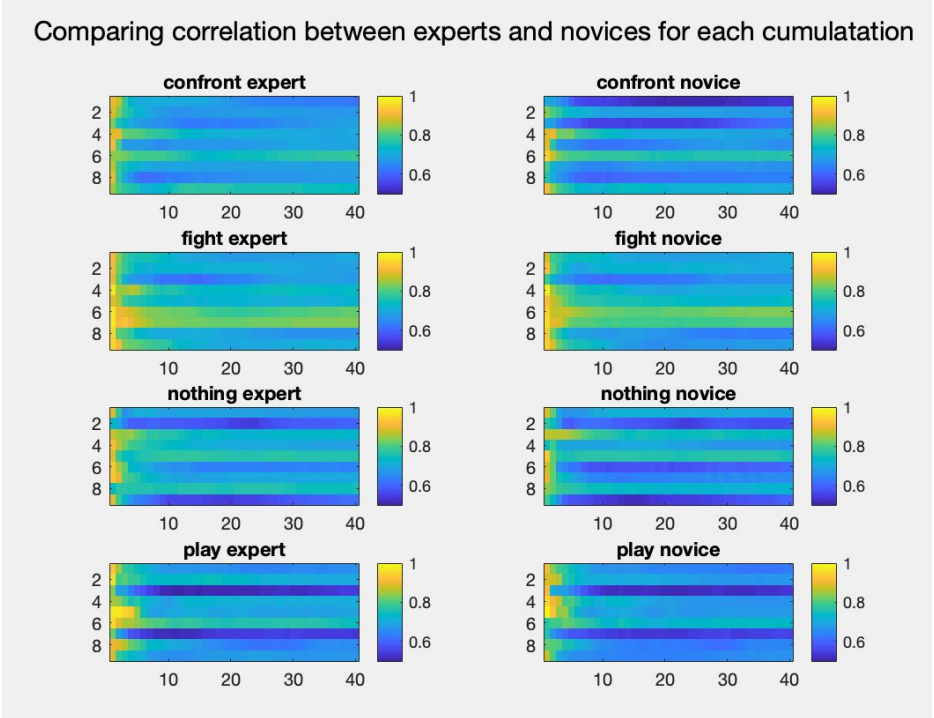


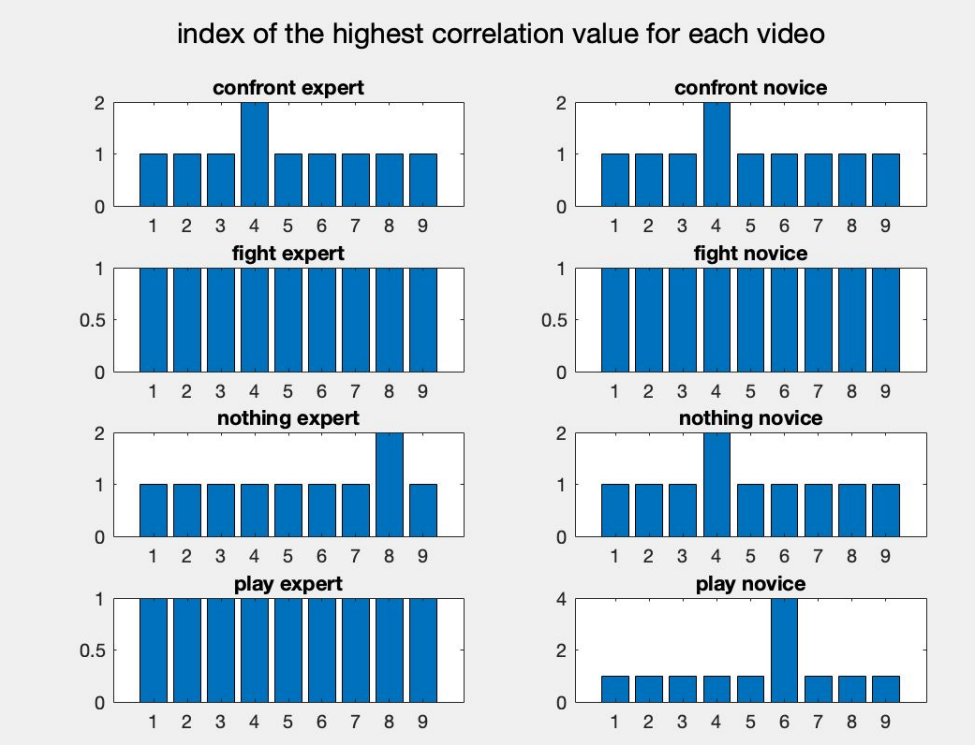
-
  - X-axis indicates videos (1~9)
  - Y-axis indicates the index (frame) of the highest correlation value.
  - Some frames (e.g 28th frame in contront for the video 5) have the highest correlation for both experts and novices



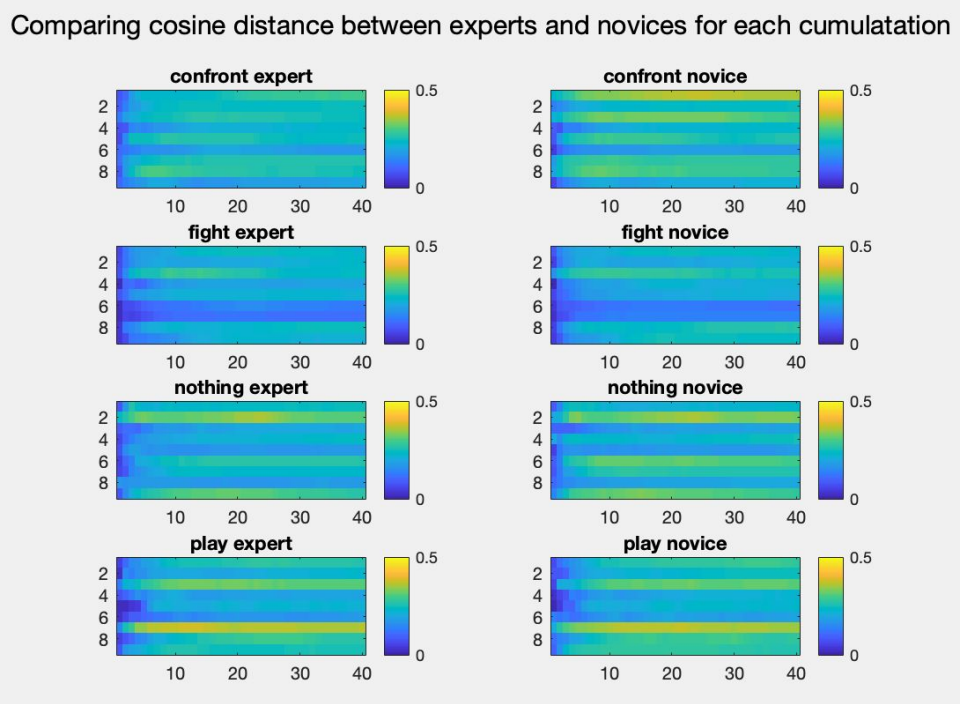
- X-axis indicates videos (1~9)
- Y-axis indicates the highest correlation value for each video

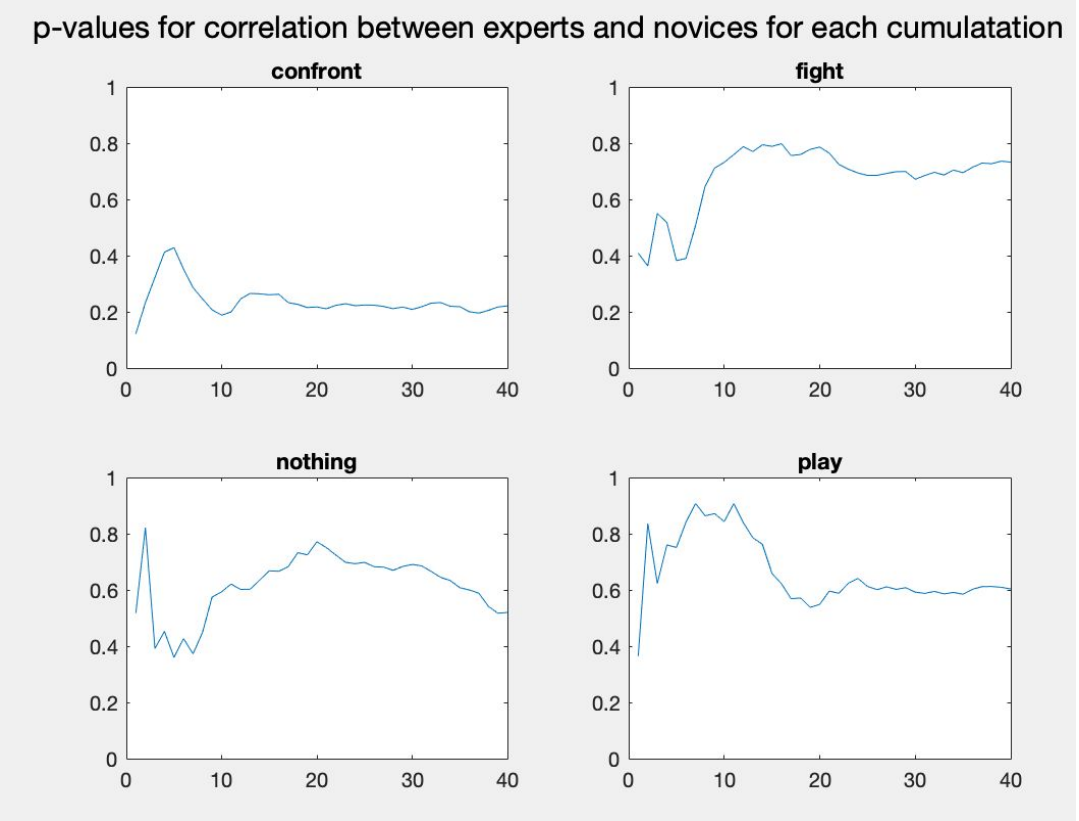
Cumulation



- X-axis indicates cumulated frame groups (e.g 20 indicates a group of 1~20 frames cumulated)
- Y-axis indicates videos
- Color indicates correlation
- 

    - Y-axis indicates cumulated frame groups with highest correlation
    - X-axis indicates videos
    - As the previous graph shows, correlations are high only in 1th or 2nd cumulated groups

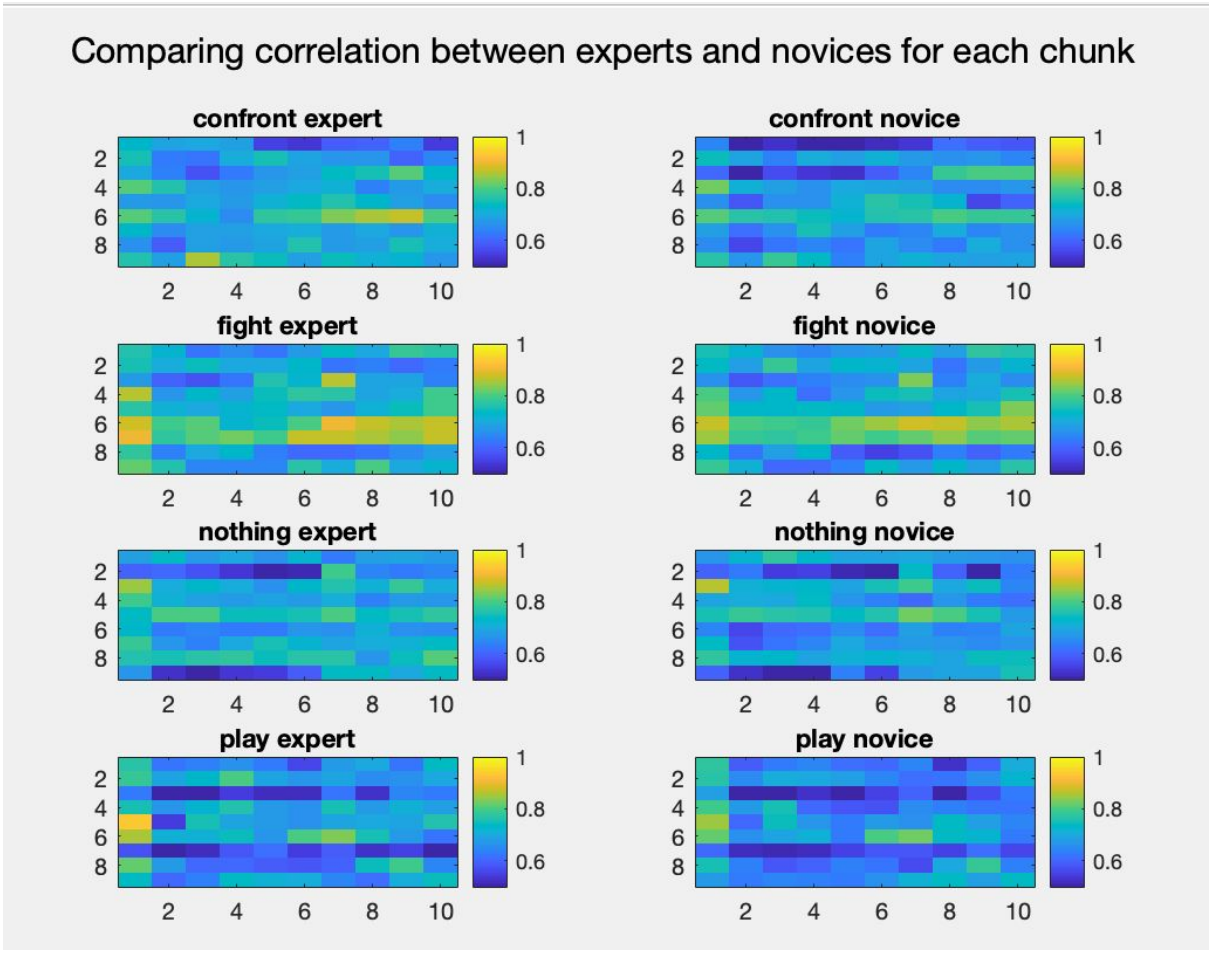
- 

    - X-axis indicates cumulated frames (e.g 20 indicates 1-20 frames cumulated)
    - Y-axis indicates videos
    - Color indicates cosine distance
- 

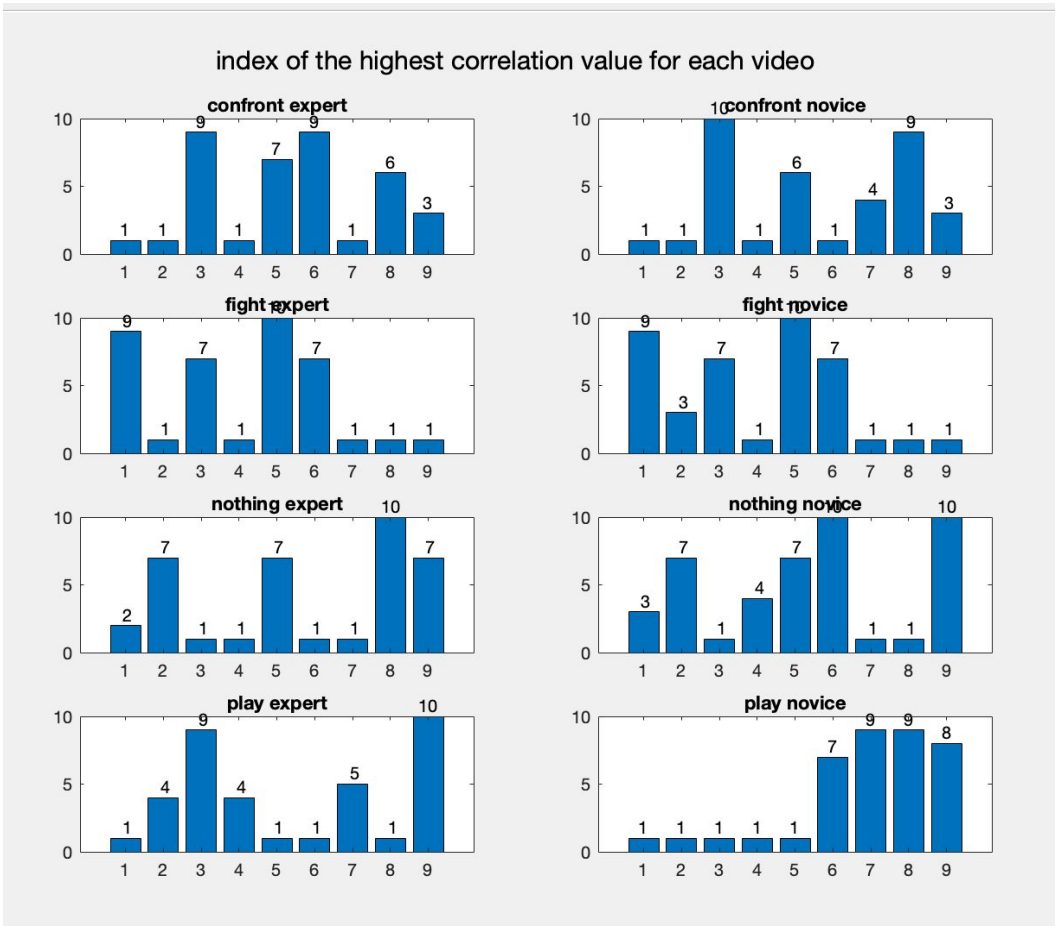
    - X-axis: cumulated frame groups

- Y-axis: p-values for correlation between novice and experts

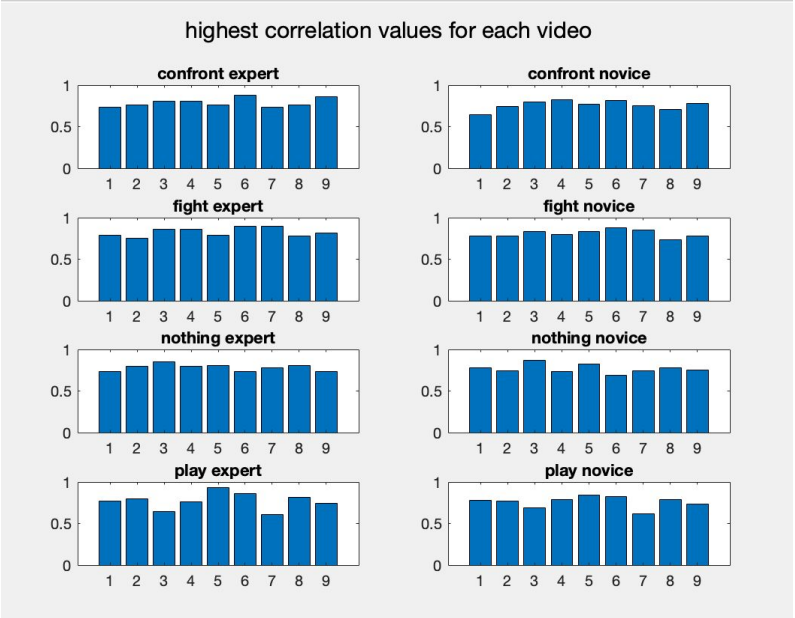
Chunking

- 

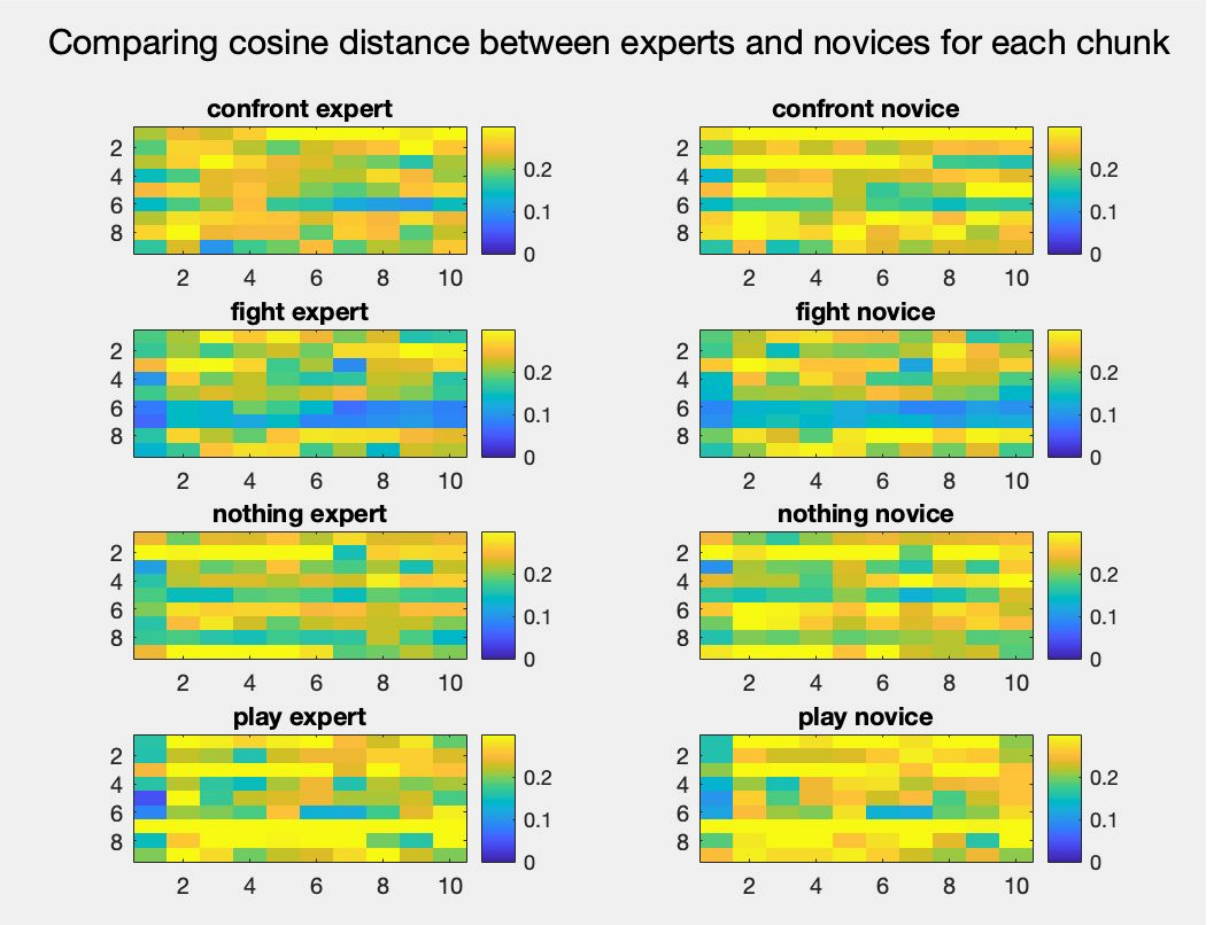
  - X-axis (chunk groups). Each chunk groups 4 frames. (e.g 8th chunk groups 29th to 32th frames)
  - Y-axis: videos
  - Color: correlation



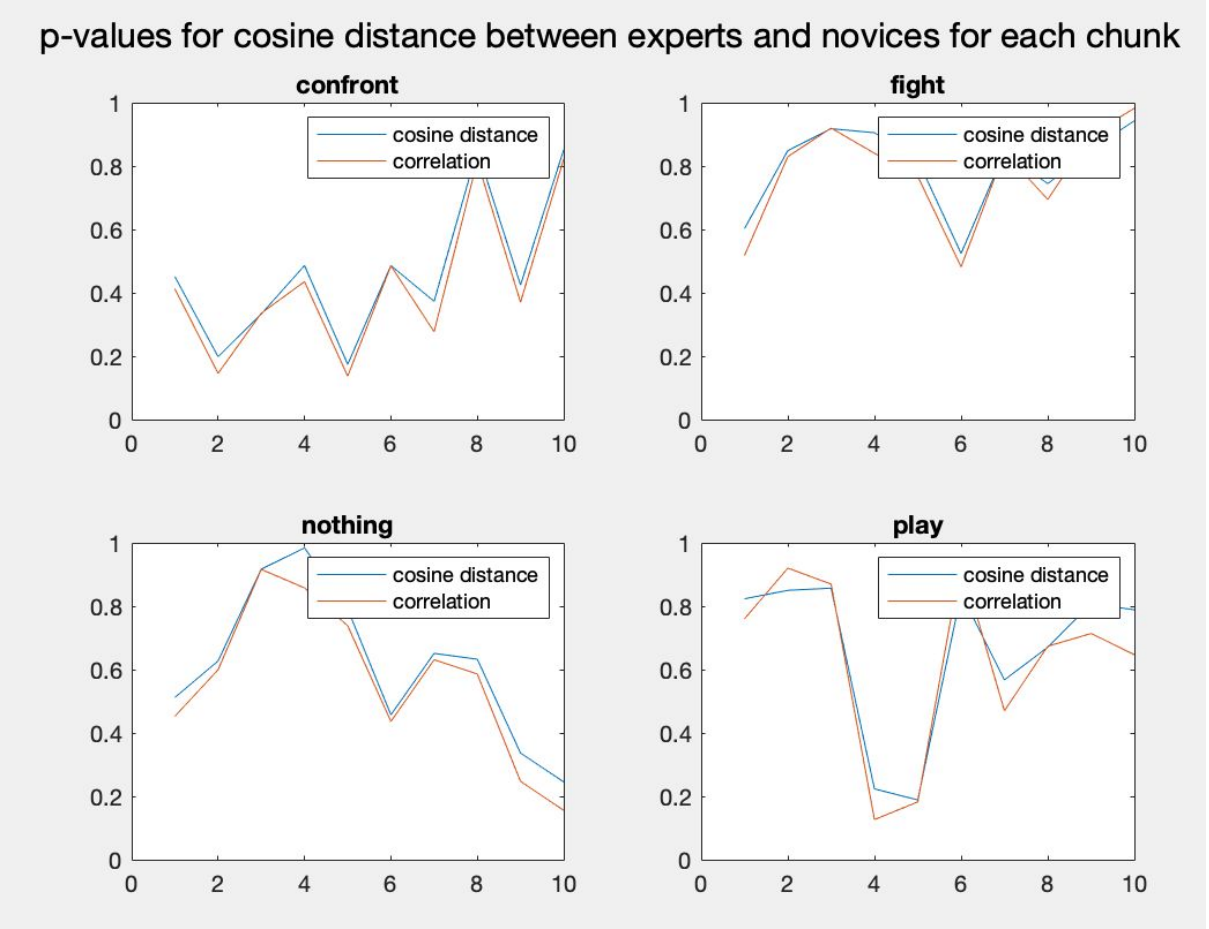
- X-axis: videos
- Y-axis: chunk groups with highest correlation value



- Y-axis indicates the corresponding highest correlation values

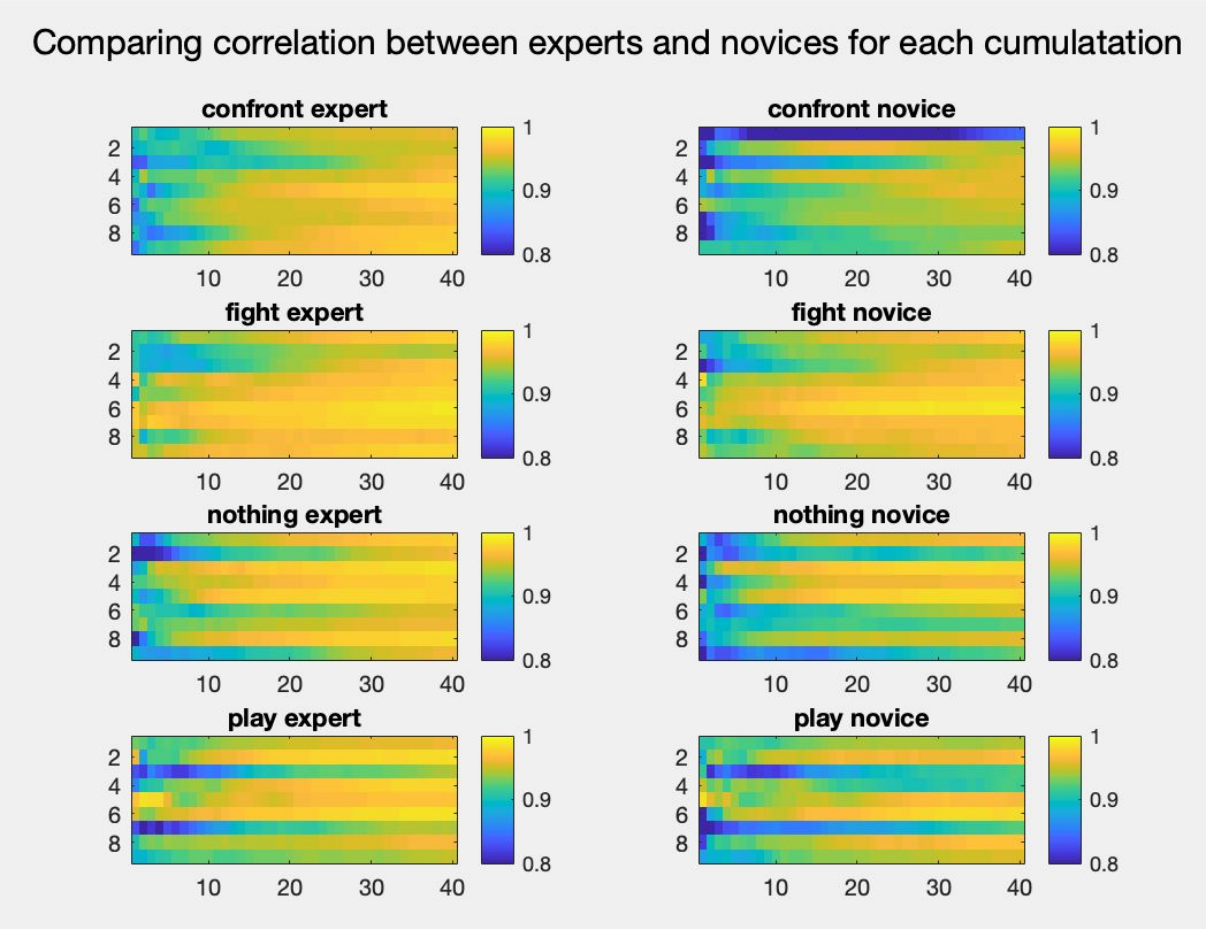
- 

    - X-axis (chunk groups).
    - Y-axis: videos
    - Color: cosine distance

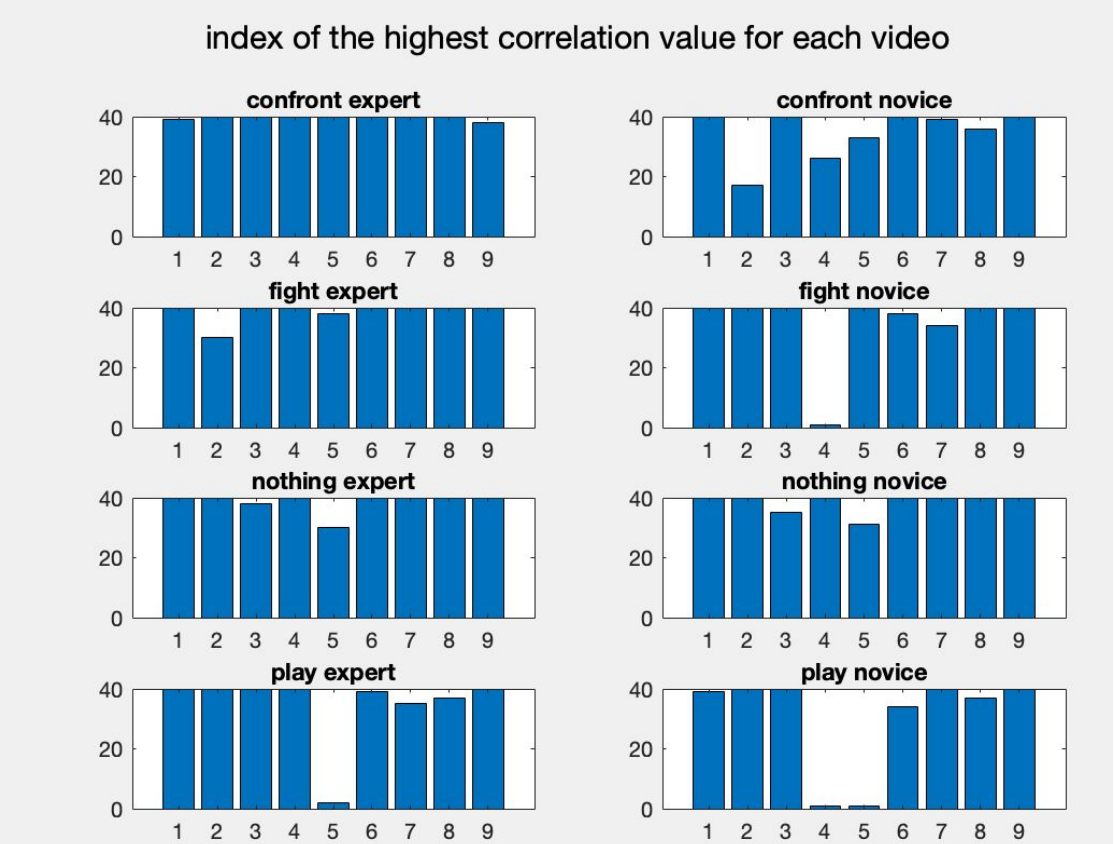
- 

    - X-axis: cumulated frame groups
    - Y-axis: p-values for correlation or cosine distance between novice and experts

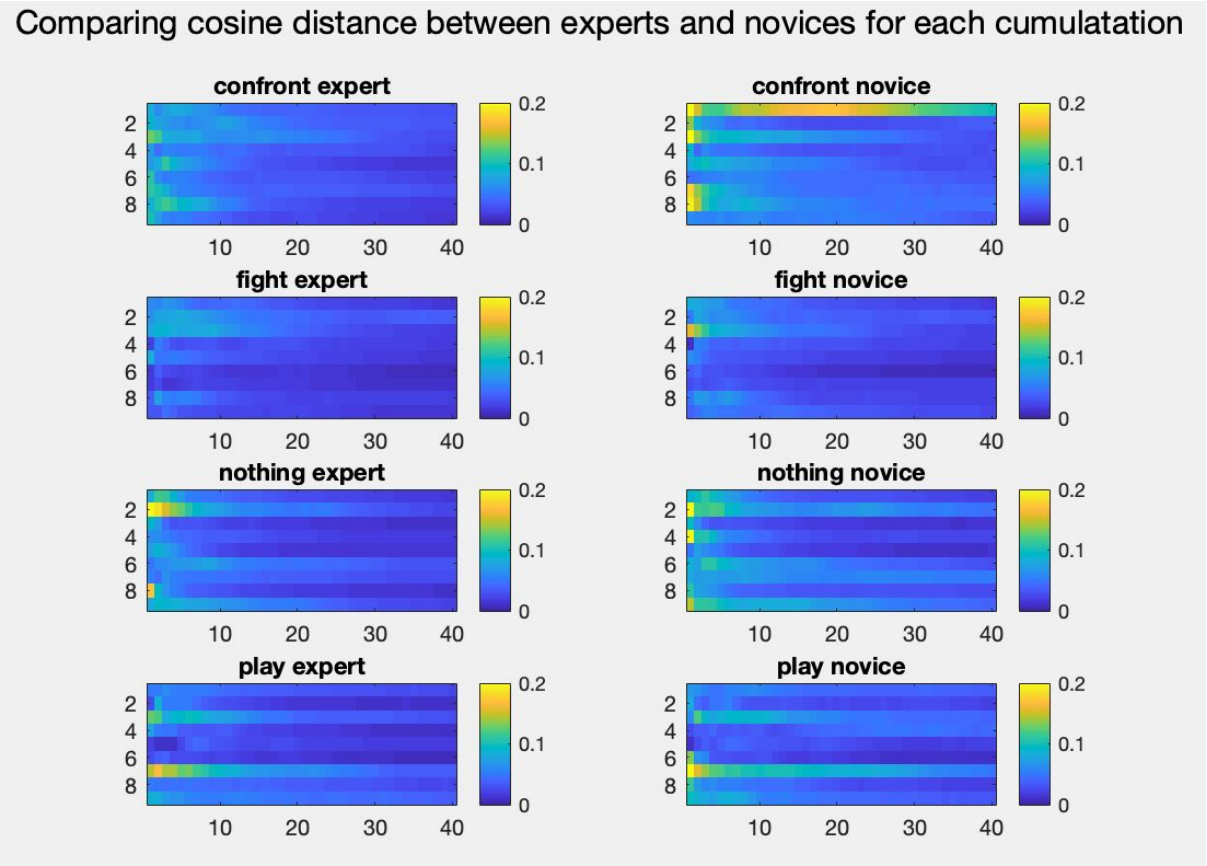
Optional: grouping by mean (not concatenated)



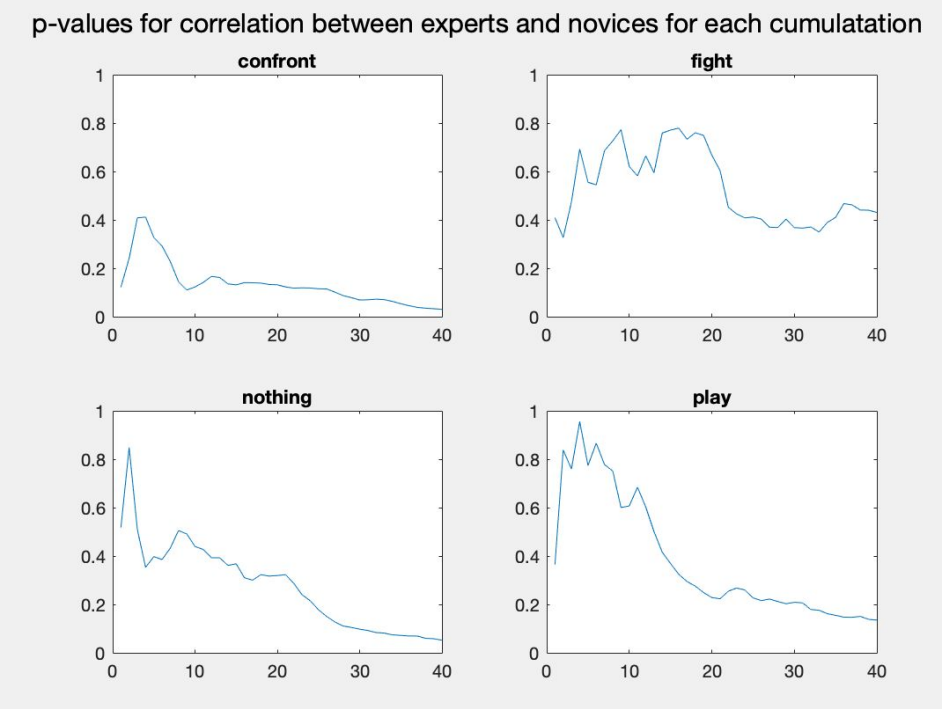
- X-axis indicates cumulated frame groups (e.g 20 indicates a group of 1~20 frames cumulated)
- Y-axis indicates videos
- Color indicates correlation
- For each frame groups, features were averaged (e.g. for the group 20, features were averaged across 1 to 20th frame)

- 

    - The indexes with the highest correlation are mostly 40, likely because averaging features over all frames reduce variances

- 

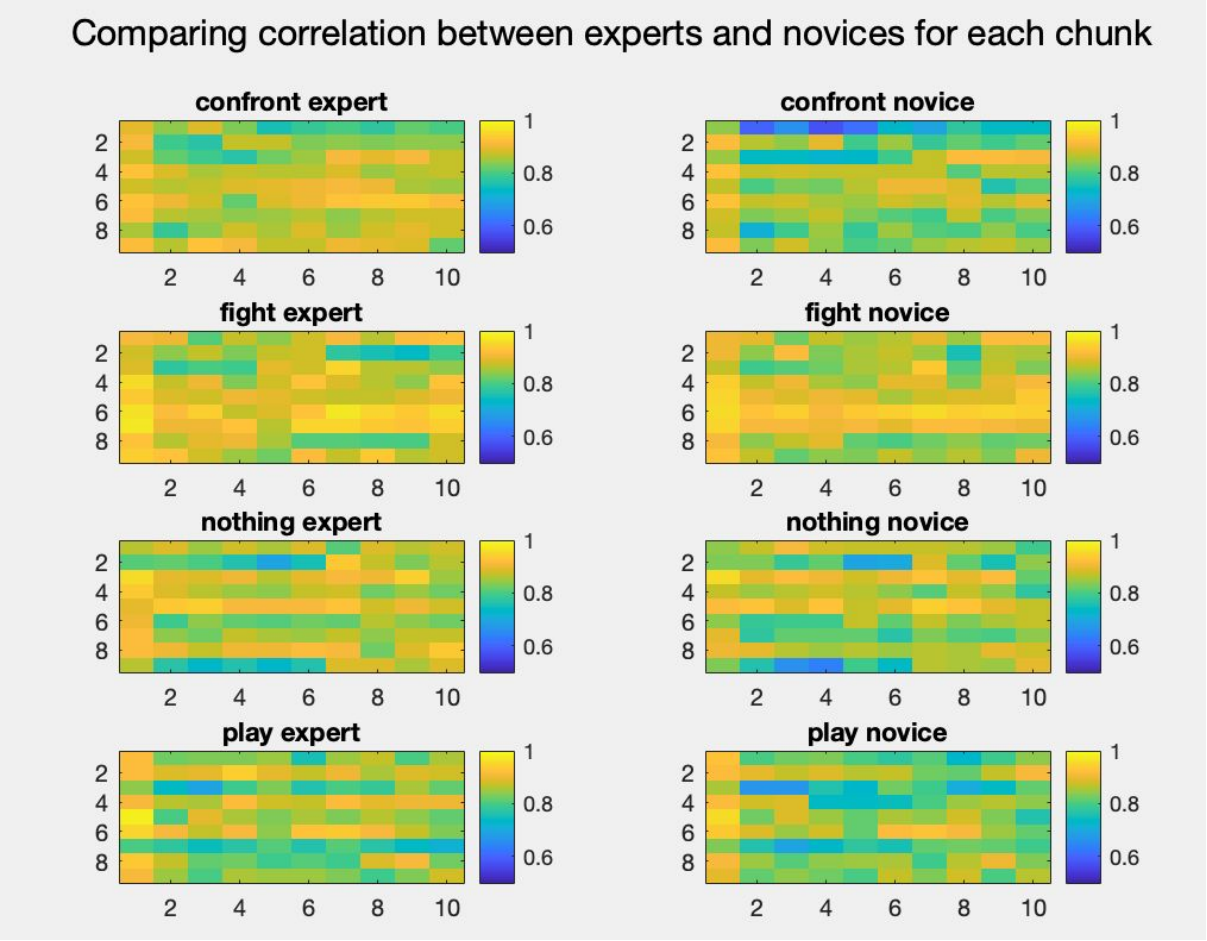
    - X-axis indicates cumulated frame groups (e.g 20 indicates a group of 1~20 frames cumulated)
    - Y-axis indicates videos
    - Color indicates cosine distance

- 

    - Although inter-subject correlations are high around 40 as shown previously, the correlations between experts and novices differ most around 40. It is to be expected because fc7 features for novices and experts should be different on average.

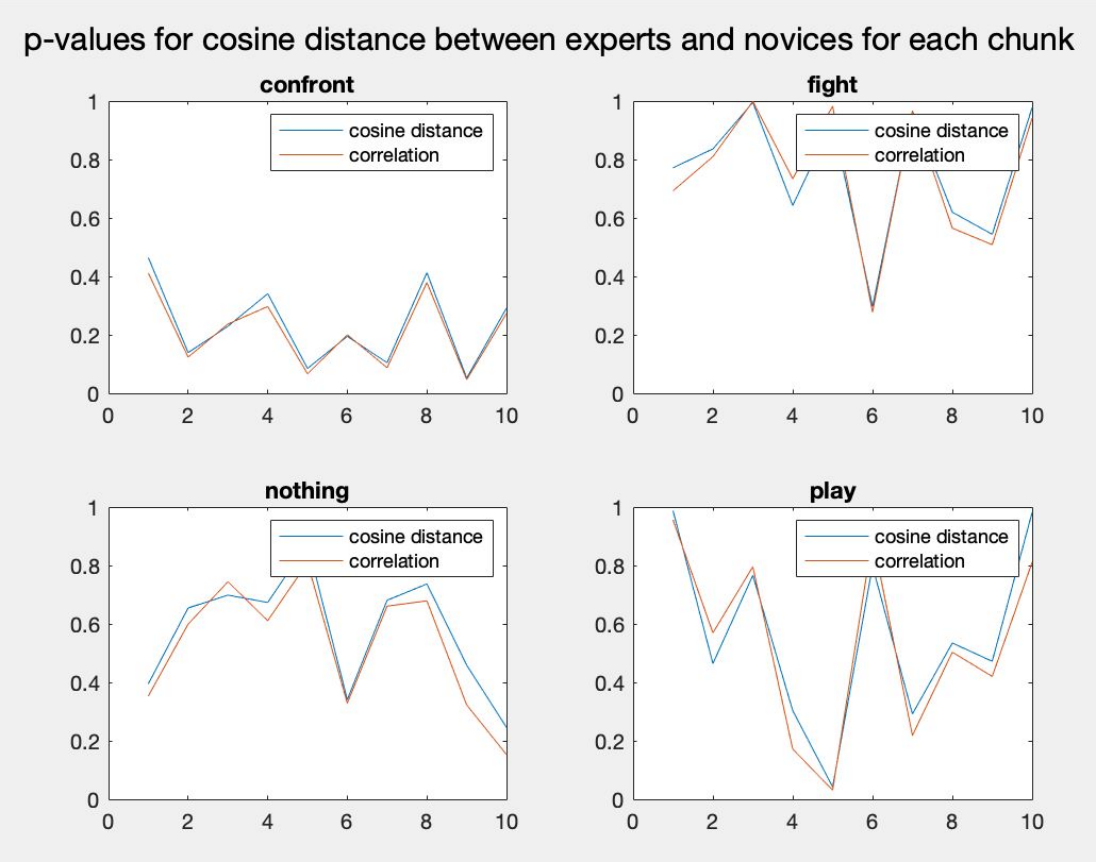
Optional: chunking by mean

- Fc7 features in each chunk were averaged



-
    - X-axis: chunks
    - Y-axis: videos

- X-axis: video
- Y-axis: chunk with the highest correlation

- 

    - Y-axis: p-values comparing novices and experts
    - X-axis: chunk