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ABSTRACT
What objects do we feel interesting? According to prior literatures using visual stimuli, two appraisals which cause interest are "complexity" and "coping-potential". We are interested if these appraisals could apply to MUSIC. This study is to choose complex and simple jazz and check if coping-potential is manipulated. Moreover, we try to know if participants rate complex jazz as interesting when coping-potential is high.

| BACKGROUNDS |  |
| :---: | :---: |
| "Interest" is a "Knowledge emotion" |  |
| High |  |
| Pleasure | Interest |
| Boredom | Confusion |
| Low |  |

$(\longleftrightarrow)$ Complexity : How complex it is.
( $\downarrow$ ) Coping-potential : How possibly an appraiser could understand what it is.
These are found on visual objects (polygons, poem, artworks). 2)
Then, what about MUSIC?
Pleasant/unpleasant visual and auditory stimuli activate the same core network in the left hemisphere. ${ }^{3)}$
Complexity in music is found when...

1) Melody is changed than harmony is. ${ }^{4)}$
2) Continuity is disappeared. ${ }^{5)}$
3) Music is unfamiliar than is familiar. ${ }^{6)}$

Coping-potential in music was manipulated by giving participants general information about the stimuli as a prior literature did. ${ }^{2)}$

We chose JAZZ to study. Because jazz $\cdots$

1) is not familiar to undergraduate students.
2) has a similar emotional valence. not gloomy, but enjoyable.


## Complexity Manipulation Coping-potential

1) How familiar is it?
2) How frequent is the melody repeated?
3) How variable is the pitch?
4) Giving Detailed or Undetailed information to participants
5) How well do you understand music?
8 jazz were survived : 4 Complex ones, 4 Simple ones.

## Study( $n=70$ ) 2X2 Mixed design

Purpose To see how participants feel the jazz as complexity and coping-potential were changed.

## MAIN HYPOTHESIS

## Jazz would be interesting

if complexity and coping-potential are both high.
Procedure Repeated the above procedure with 8 jazz.
Manipulation Same as the pilot study.
For coping-potential, we additionally gave an explanation for each song.

RESULTS \& CONCLUSIONS

## Pleasure

 Coping-potential

## Boredom



Low High


Low High Coping-potential

## Confusion



High complexity

1) Jazz is interesting when complexity is high but coping-potential is low.
2) Interest and pleasure are not seperated.
3) The results is opposite from the prior works which used visual stimuli.
4) There is possibility that jazz itself is easy to understand (high coping-potential).
5) We propose to use other stimuli like modern music, which is difficult to understand and interpret.
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