at each voxel
yr subjects: higher corrs in Fus for group 6
3.5 s ITI; 5 task blocks of 17s each
as well as
Group 7 (23)
Shape effects on cortical activity change with age and with cognitive performance.
Group 4 (21)
Open/closed shapes
dleeds@fordham.edu
to high
Similar to two
Employ more natural stimuli.
I≠J
Shock Graph
visual cortex with normal aging and magnitude
i
16 20
cortical dynamics of human visual object
113x152
Sarah Cavanagh

111 line images from Stern pattern comparison task compared by graph matching and
Subjects indicated whether the two patterns were the same or different with a differential button press.


Future directions:

Methods: Pattern matching study
Compute z
(pairwise distances).

Findings

Score
|

Gp 1 v Gp 2

z<0.8

z>0.8

Gp 3 v Gp 4

z<0.8

z>0.8

Gp 5 v Gp 6

z<0.8

z>0.8

Gp 4 v Gp 5

z>0.8

Gp 5 v Gp 6

z>0.8

Gp 6 v Gp 7

z>0.8

Gp 2 v Gp 3

z<0.8

z>0.8

Score
|

simp>comp

Low acc subjects: higher corrs in mid visual regions for group 5 and in executive/motor regions
Low acc subjects: higher corrs in limited PHC regions
60+ yr subjects: higher corrs in limited PHC regions
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Methods: Pattern matching study
Findings

Score
|

Gp 1 v Gp 2

z<0.8

z>0.8

Gp 3 v Gp 4

z<0.8

z>0.8

Gp 5 v Gp 6

z<0.8

z>0.8

Gp 4 v Gp 5

z>0.8

Gp 5 v Gp 6

z>0.8

Gp 6 v Gp 7

z>0.8

Gp 2 v Gp 3

z<0.8

z>0.8

Score
|

simp>comp

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