

Supplemental Materials

Text S1: Spatial, temporal, social, and hypothetical task stimuli

SPATIAL

Add two numbers using a calculator
Apply lip balm
Break in a baseball mitt
Browse through an entertainment magazine for 30 minutes
Brush your teeth
Change the ringtone on your cellular phone
Chew gum
Complete a puzzle
Count how many times your heart beats in one minute
Count to 100
Create a CD mix with some of your favorite songs
Cut your nails
Debate something mundane with a friend
Do one hour of yoga
Drink coffee
Drink water to get rid of hiccups
Eat a granola bar
Eat a popsicle
Enjoy a cold beverage
Inflate a balloon
Jump up really high
Learn how to change a bike tire
Listen to classical music
Look at yourself in the mirror
Make house out of Legos
Paint a picture
Put together a bookshelf with hand tools
Read the front page of the Wall Street Journal
Record a video diary entry
Rock in a rocking chair for 5 minutes
Search your name on Google
Shuffle a deck of cards
Solve a math problem
Spend an hour browsing for a collector's item online
Spend an hour reading poetry
Spend two hours writing a blog
Take a 30-minute nap
Talk with a friend about pop culture
Tell a good joke
Turn off all the lights
Wash your hands
Watch a horror movie
Watch a romantic comedy
Watch Napoleon Dynamite
Watch several episodes of the Simpsons on DVD
Watch your favorite current sitcom
Whistle jingle bells
Write a message on a sticky note
Think most folk music is dreary
Love beat poetry

TEMPORAL

Sleep in later than usual
Take a 10-minute nap
Spend an afternoon playing computer games
Play a game of pool at a local bar
Browse around at a thrift store for half an hour
Get a 5-minute back massage
Throw a birthday party for a friend
Recognize a movie star walking around Harvard Square
Browse around in an antiques shop
Go to a tasting hosted by a local wine shop
Run a 5K race for charity
Spend the afternoon at a day spa
Take an aerobics class
Spend the afternoon at an art museum
Take a weekend road trip with friends
Talk on the phone with a family member
Get early to go for a run
Watch an improv comedy show
Visit the dentist for a check-up
Enjoy adding two numbers using a calculator
Enjoy blowing your nose
Like water better than juice
Look up a word in the dictionary often
Love organic chemistry
Spend half an hour browsing a friend's photos on Facebook
Make a late-night pizza run
Go over to a friend's room to play a new video game
Go on a blind date
Write a letter to The Boston Globe about an issue you care about
Make homemade ice cream at a friend's place
Try on formal wear just to see how you look
Write to your senator about an upcoming vote
Browse through your high school yearbook
Discuss your favorite book with the author
Do your laundry
Dye your hair
Find out that you've won an iPhone in a raffle
Go bowling with your friends
Have lunch with an acquaintance from one of your sections
Hear a family member tell a story about your great-grandfather
Host a pizza party in your room
Play a board game in your room with some friends
Play poker with some friends after dinner
Re-arrange the furniture in your bedroom
Sample some cookies that a friend baked
Spend an hour on the phone with a friend from high school
Spend an hour organizing your closet
Spend the whole day in your pajamas
Visit a part of Boston you've never been to
Prefer to sit in the back row in a movie theater

SOCIAL

Go to the movies in Kendall Square
Spend an afternoon looking through childhood mementos
Try out a new hairstyle in public
Browse through an entertainment magazine for 30 minutes
Try a new kind of ethnic food
Spend an hour in a coffee shop with friends
Spend a morning volunteering at a nursing home
Go salsa dancing
Read a comic book
Take a karate class
Watch several episodes of the Simpsons on DVD
Watch a reality TV show
Go tanning at a salon
Spend half an hour IMing with a friend from home
Work on a Sudoku puzzle before class
Do a crossword puzzle
Go out to a night club
Take a sports car for a test drive
Get up before dawn to watch the sunrise
Take up a new hobby
Watch a laser light show
Eat a piece of chocolate cake
Spend some time making a scrapbook from some favorite photos
See a Shakespeare play
Watch a sports game with friends
Debate something mundane with a friend over dinner
Sing karaoke with some friends
Meditate for an hour at a Buddhist Center
Swim in an indoor pool
Take a bubble bath
Run on a treadmill at the gym for 30 minutes
Go to lunch at an all-you-can-eat buffet
Spend an hour reading a best-selling novel
Spend an hour working on a jigsaw puzzle
Tell a really good joke to some acquaintances
Help a neighbor move to a new room on the other side of town
Go shopping at an outlet mall
Buy a new pair of shoes
Soak in a Jacuzzi
Attend a pottery class
Write a thank you note to a favorite teacher
Spend half an hour browsing a celebrity gossip website
Skate at a skating rink
Browse around a used bookstore for half an hour
Toss a Frisbee around in the park
Drive out of town at night to stargaze with a telescope
Bake chocolate chip cookies
Attend a gymnastics meet
Spend a Saturday volunteering at a soup kitchen
Attend a birthday party in a friend's room

HYPOTHETICAL

Attend a birthday party in a friend's room
Attend a small, liberal arts college
Attend church every Sunday
Delete a friend from Facebook
Do jumping jacks
Drink coffee instead of tea
Easily distracted by background noises when trying to work
Eat dinner at a fancy restaurant on Newbury Street
Enjoy drawing nature scenes
Enjoy learning for its own sake
Enjoy painting
Enjoy watching TV most every night
Feel most at home in a busy city
Generally have a lot of patience for mundane tasks
Generally have a positive outlook on life
Google chat an old friend
Grew up in southern California
Grew up in the Northeast
Hate flying in airplanes
Hate to show up late for things
Have strong religious convictions
Know how to speak a gibberish language
Like peanut butter and banana sandwiches
Like to attend music concerts
Like to give money to the poor on the street
Love educational vacations like visiting ancient ruins
Love hot-air ballooning
Love the movie Napoleon Dynamite
Often commit to doing things before knowing the details
Often have dreams about flying
Plan to take some time off after college
Play charades with some friends at home
Play fetch with a dog in a nearby park
Play with silly putty for 15 minutes
Prefer to live somewhere warm where it never snows
Put salt on most foods
Receive a hand-written letter from an old friend
Send a text message to a friend
Spend a few hours researching your family tree
Spend an afternoon tutoring a high school student in math
Spend an hour reading Time Magazine
Spend money to buy a new cellular phone
Spin around in a circle three times
Support alternative energy sources
Tend to forget peoples names
Tend to use pens that have blue ink instead of black
Think it is important to learn a second language
Think it's important to get a flu shot every year
Think loose immigration laws jeopardize our safety
Very much be a morning person

Text S2: Implicit Association Test Stimuli

Task	Spatial		Temporal		Social		Hypothetical	
Labels	Here	There	Now	Later	Me	Not-Me	Actual	Hypothetical
Exemplars	domestic	abroad	today	tomorrow	self	they	true	fiction
	close	far	present	future	my	them	real	unreal
	near	away	current	after	mine	other	fact	pretend

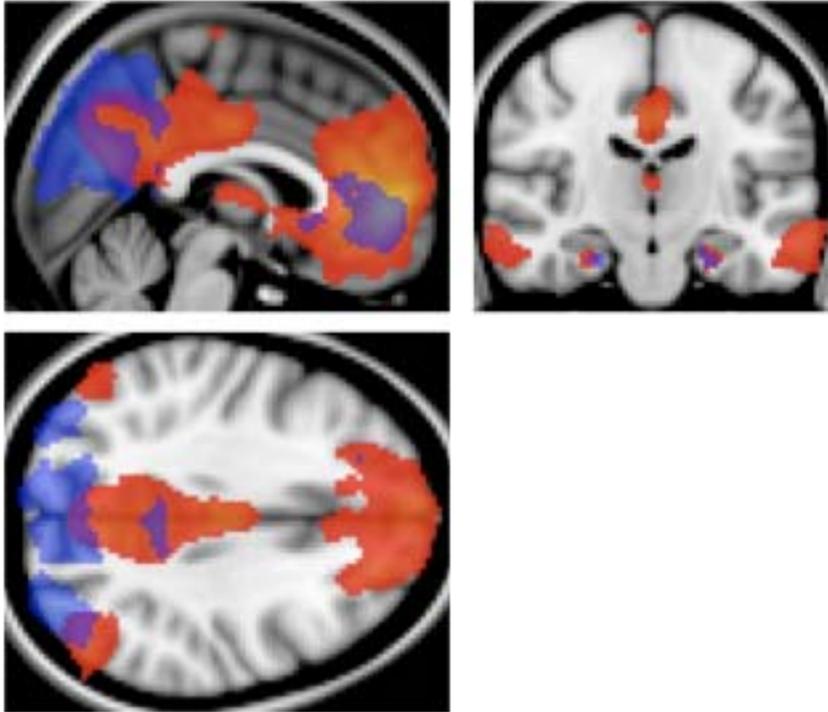


Fig 1. Functional connectivity of MPFC and retrosplenial cortex during rest. Results showed that both the MPFC and retrosplenial clusters defined from the conjunction analysis were highly connected to both the MTL and core subsystem of the default network, which comprise the parahippocampal cortex, hippocampal formation, and IPL, in addition to the regions containing both the retrosplenial and MPFC seeds. The MPFC cluster was additionally connected to regions of the dMPFC subsystem of the default network, which comprises the PCC, TPJ, lateral temporal cortex, temporal pole, and dMPFC. Results for the MPFC cluster alone are shown in red; results from the retrosplenial cluster alone are shown in blue; overlapping activations are shown in purple. Maps are thresholded at $z = .2$, corresponding to a minimum rho of .2.

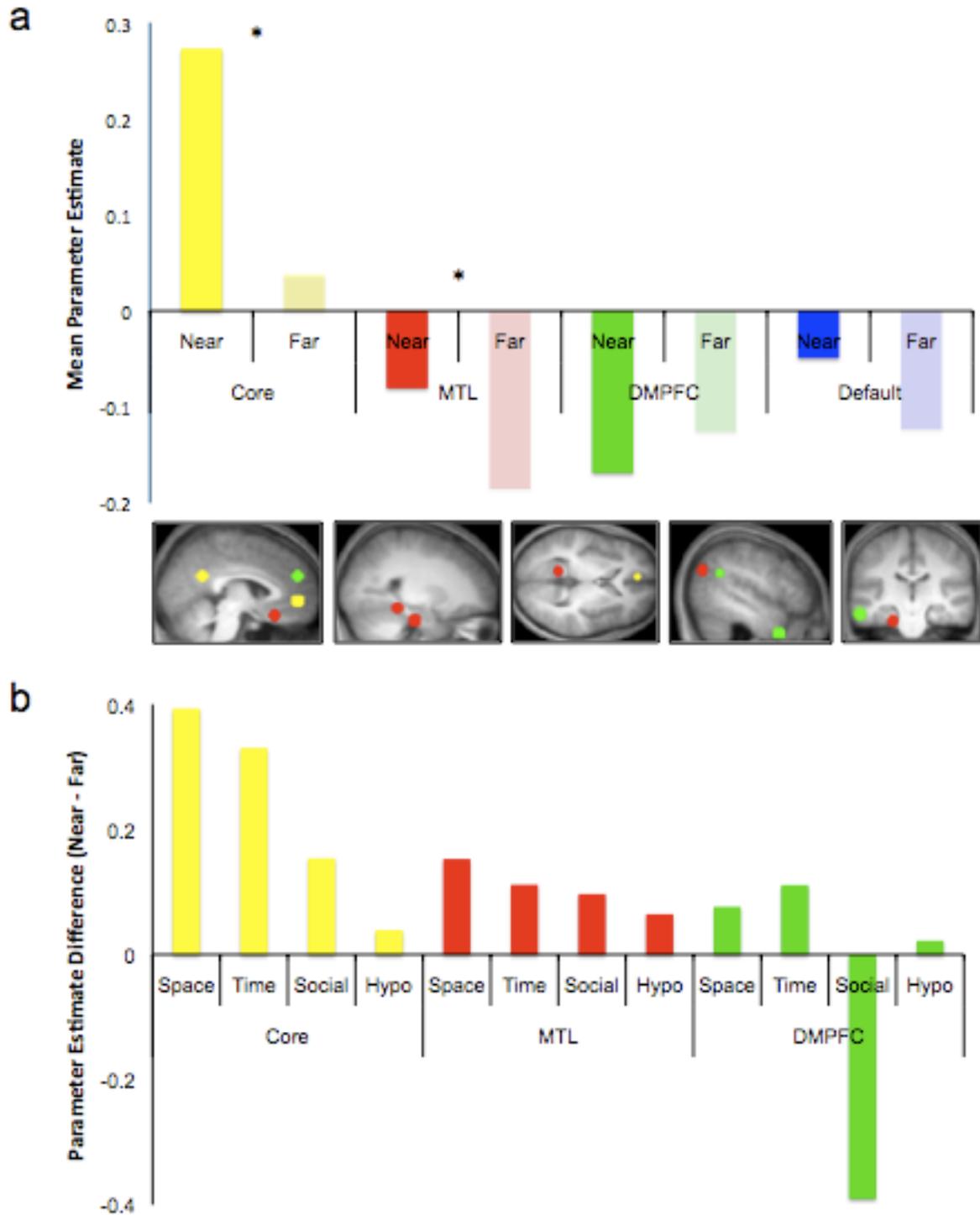


Fig 2. Region based analyses on an independently defined default network. ROIs were created as a sphere with a radius of 8mm centered around the coordinates identified by Andrews-Hanna (2010), who defined the 11 default network regions using low-frequency intrinsic connectivity in a group of 28 adults. (A) In the MTL (red) and core (yellow) subsystems, activity was significantly greater during proximal trials than distal trials across all dimension tasks (both p 's =

.01). Overall activity across the entire default network was also greater for proximal than distal trials ($p = .09$). (B) Activity in all three subsystems showed greater activity during proximal than distal trials with one exception: within the social dimension, the dMPFC subsystem was significantly more active for the distal condition than the proximal one.

REFERENCES

Andrews-Hanna, J. R., Reidler, J. S., Sepulcre, J., Poulin, R., & Buckner, R. L. (2010).

Functional-anatomic fractionation of the brain's default network. *Neuron*, 65(4), 550-562.