Data:

1. Basic information of functional MRI scans, including participant ID, age, sex, and meanFD

   Info_adult.mat

   Info_child.mat

   Note: Resting-state functional MRI (rsfMRI) data of all the participants are obtained from the Children School Functions and Brain Development project (CBD, Beijing Cohort). Basic information is present in a tabular form. In the third column (i.e., sex), '0' and '1' denote female and male, respectively. Since some of the children underwent repeated rsfMRI scans, their ID labels are repeated in the tables according to the scanning order.

2. DMN parcellation for children and adults

   DMN_parcellation_adult.nii

   DMN_parcellation_child.nii

   DMN_32ROIs_info.xls

   Note: The DMN parcellation for the adults is modified from a prior atlas comprising 32 regions provided in Kernbach et al. (2018) (https://identifiers.org/neurovault.collection:3434).

3. DMN connectivity matrix in children and adults

   matrix_adult.mat

   matrix_child.mat

   Note: The functional connectivity matrices for all rsfMRI scans are stored in terms of a $N_{node} \times N_{node} \times N_{scan}$ matrix.

Codes:

1. Mixed effect model

   Mixed_model.m

2. Age effects on functional connectivity

   FCStrength_age.m

3. Age effects on global/local efficiency

   NeLe_age.m

4. Age effects on nodal degree

   Degree_age.m

5. Clustering based on divergent developmental rates of nodal degree

   Clustering.m

   Note: All network topology analyses and the multiple comparison correction were performed using GRETNA (www.nitrc.org/projects/gretna) (Wang et al., 2015).