Cortical Surface Parcellation

Project: VUIIS_ABCD
Subject: 1
Session: 001_3TB_1
Version: 2.0 (CBT_v1.2)
June 26, 2020

References
Labeling Protocol, Paper
Software
Contact Information
Ilwoo Lyu

White Surfaces
Gray Surfaces
Middle Surfaces
Inflated Surfaces

BISCUIT: Brain Shape Computing Toolbox – An Automated Pipeline for Cortical Morphometry
TRACE: Curve Extraction

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Original Surfaces

Inflated Surfaces

Sulcal Curves

Gyral Curves

BISCUIT: Brain Shape Computing Toolbox – An Automated Pipeline for Cortical Morphometry
Cortical Surface Quantification

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Mean Curvature
-0.05 0 0.05

Shape Index
-1 0 1

Cortical Thickness
1 2 3 4 5

Sulcal Depth
0 10 20 30

Local Gyrification Index
2 4 6 8 10

Shape Complexity Index
0 0.5 1

References
Paper (SD®, LGI®, SCI®)
Software (LGI®, SCI®,)
Contact Information
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BISCUIT: Brain Shape Computing Toolbox – An Automated Pipeline for Cortical Morphometry