Pipeline Analytics

Neurodata.Seelviz

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Contents

Aut1367 With BrightPoints 160k samples

Image Parse total time: 3082.198059s (51.36996765m)

1. Download from ndreg and do initial processing (imgGet()): 935.501611s (15.59169m)

   (a) Download data

   (b) Apply Filtering

   (c) Reorient

   (d) Step Translation:

   (e) Step 0: alpha=0.05, beta=0.05, scale=1.0 $\implies$ 69.1362s (1.15227m)

   (f) Step 1: alpha=0.02, beta=0.05, scale=1.0 $\implies$ 38.8545s (0.647575m)

   (g) Step 2: Step 2: alpha=0.01, beta=0.05, scale=1.0 $\implies$ 50.2841s (0.838069m)

2. Using clarityviz to generate the initial plotly (time = 5.89789816667m)

   (a) calculatePoints time (with threshold = 0.900000, sample = 0.005000) = 22.825811

   (b) brightPoints time = 0.762324s

   (c) plot3d time = 330.18432s (5.503072m)

   (d) graphmlconvert time = 0.101435s

Density Graph Total time: 463.016021s (7.716933683333m)
Atlas Region Graph Total time: 1.676364s (0.0279394m)

Total Time: = Image Parse total time + Density Graph Total time + Atlas Region Graph Total time = 3546.89044399997965s (59.114840733333m)

Aut1367 W/out BrightPoints 16k samples

Image Parse total time: 1513.864474s (m)

1. Download from ndreg and do initial processing (imgGet()): 1000.965069s (m)

    (a) Download data
    (b) Apply Filtering
    (c) Reorient
    (d) Step Translation:
    (e) Step 0: alpha=0.05, beta=0.05, scale=1.0 $\implies$ 71.2875s (1.18812m)
    (f) Step 1: alpha=0.02, beta=0.05, scale=1.0 $\implies$ 40.5702s (0.67617m)
    (g) Step 2: Step 2: alpha=0.01, beta=0.05, scale=1.0 $\implies$ 51.8748s (0.86458m)

2. Using clarityviz to generate the initial plotly

    (a) calculatePoints time (with threshold = 0.900000, sample = 0.000500) = 27.376725s (0.37m)
    (b) brightPoints time = 0.138788s
    (c) plot3d time = 328.996724s (m)
    (d) graphmlconvert time = 0.049956s

Density Graph Total time: 80.273158s (m)
Atlas Region Graph Total time: 0.594688s (m)

Total Time: = Image Parse total time + Density Graph Total time + Atlas Region Graph Total time = 1594.73232s (26.578872m)