selective\_attention\_file = "selective\_attention.xlsx"

selective\_attention = pd.read\_excel(selective\_attention\_file)

selective\_attention\_string = selective\_attention.astype('string')

selective\_attention\_array = np.array(selective\_attention\_string)

selective\_attention\_list = selective\_attention\_array.T

selective\_attention\_list = selective\_attention\_list.reshape(-1)

selective\_attention\_dset = neurosynth\_dset.slice(ids=selective\_attention\_list)

mkda = MKDADensity(kernel\_\_r=10, null\_method="approximate")

mkda.fit(selective\_attention\_dset)

corr = FWECorrector(method="montecarlo", n\_iters=10, n\_cores=1)

cres = corr.transform(mkda.results)

plot\_stat\_map(

cres.get\_map("logp\_level-voxel\_corr-FWE\_method-montecarlo"),

cut\_coords=[0, 0, -8],

draw\_cross=False,

cmap="RdBu\_r",

)

cres.save\_maps("selective\_attention/")

selective\_attention\_img = nib.load("selective\_attention/z.nii")

selective\_attention\_img\_data = selective\_attention\_img.get\_fdata()

selective\_attention\_data = np.array(selective\_attention\_img\_data)

selective\_attention\_data = selective\_attention\_data.reshape(-2)

selective\_attention\_data = pd.DataFrame(selective\_attention\_data)

selective\_attention\_data.to\_excel("selective\_attention\_voxel.xlsx")