Run all your fMRI univariate analysis with one JSON file and 50 lines of code.

bidspm: an SPM centric BIDS app

"Nodes": [

"Level":

"Name":

"Model":

"Level":

"Name":

"Model":

"Level":

"Name":

"Level":

"Name":

"Model":

"GroupBy":

"GroupBy":

"Run",

"GroupBy": ["run", "subject"],

"Contrasts": [{ "Name":

"run level",

"Type": "glm",

{"bidspm":

"Weights":

"Subject",

"subject level",

["contrast", "subject"],

{"X": [1], "Type": "glm"},

"Test":

"DummyContrasts": {"Test": "t"}

"Dataset",

"GroupBy": ["contrast", "group"],

"DummyContrasts": {"Test": "t"}

"Contrasts": [{ "Name":

"within_group",

"Model": { "X": [1], "Type": "glm"},

"Dataset",

["contrast"],

"between_groups",

{ "Type": "glm",

"Weights":

"Test":

"X": [1, "group"]},

{"X": ["Motion", "Static", "trans_?", "rot_?"],

{"Results": [{"name": ["Motion gt Static"]

"nidm": true}]}}},

"Motion_gt_Static",

"grp_1_gt_grp_2",

"ConditionList": ["group.GRP_1", "group.GRP_2"

"t"}]

"MC": "FWE",

"p": 0.05,

"k": 10,

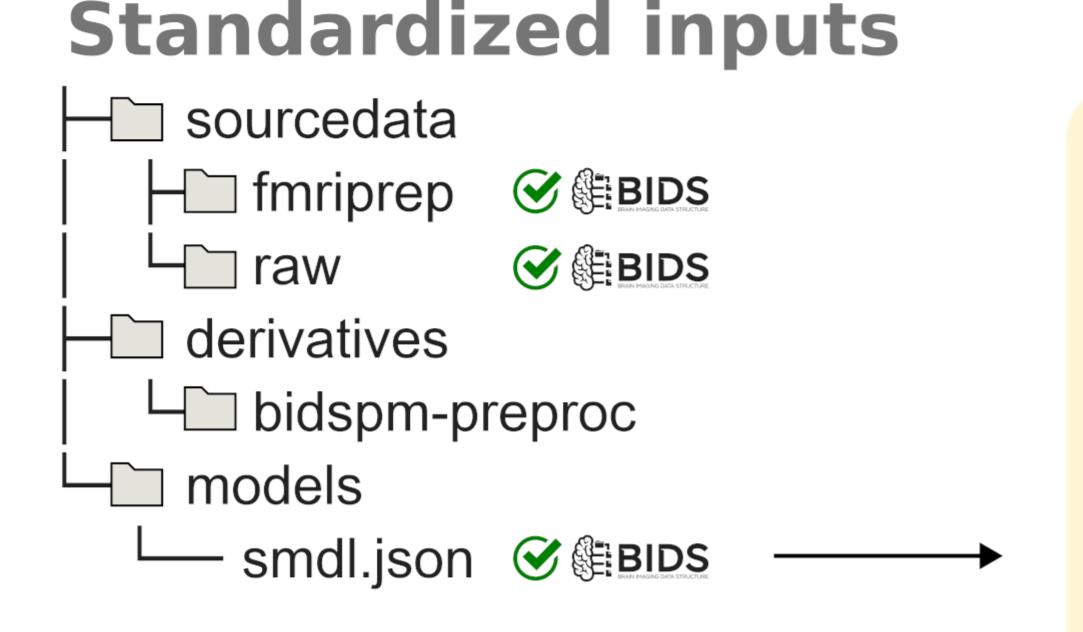
"ConditionList": ["Motion", "Static"],

"HRF": { "Variables": ["Motion", "Static"],

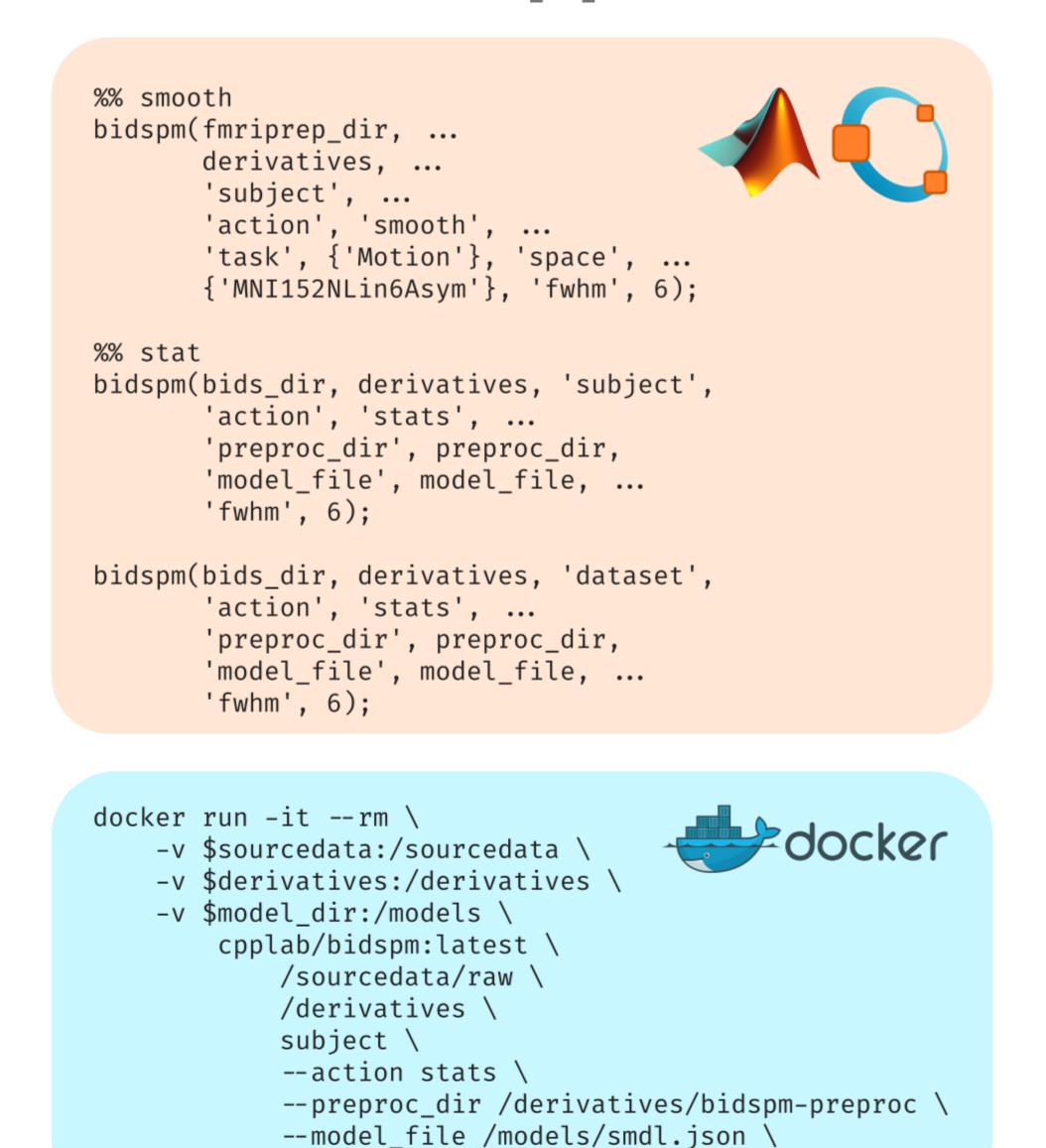
"Model": "spm"},

"Software":





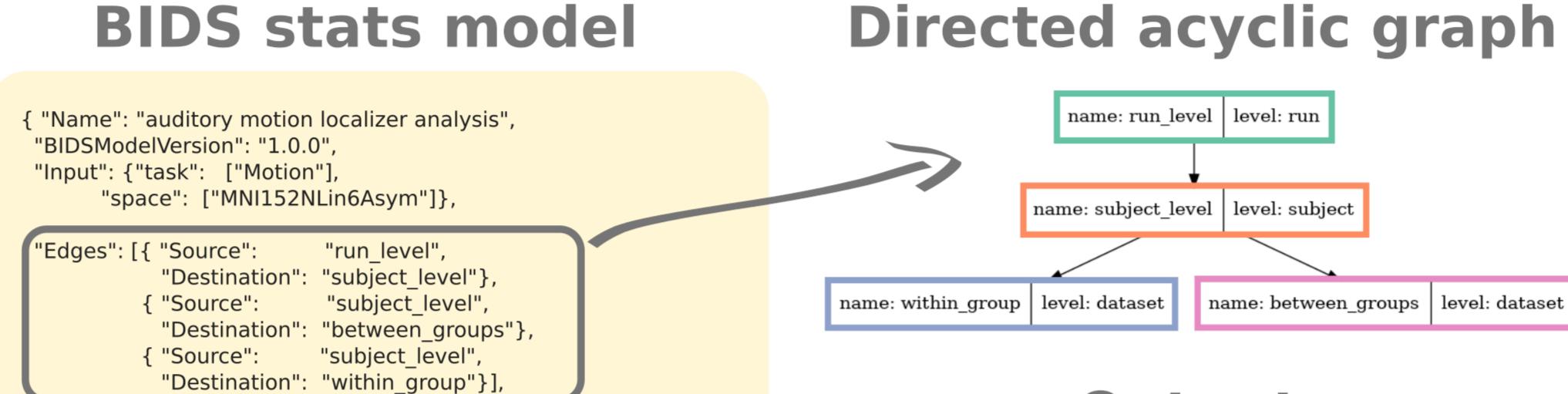
BIDS app API

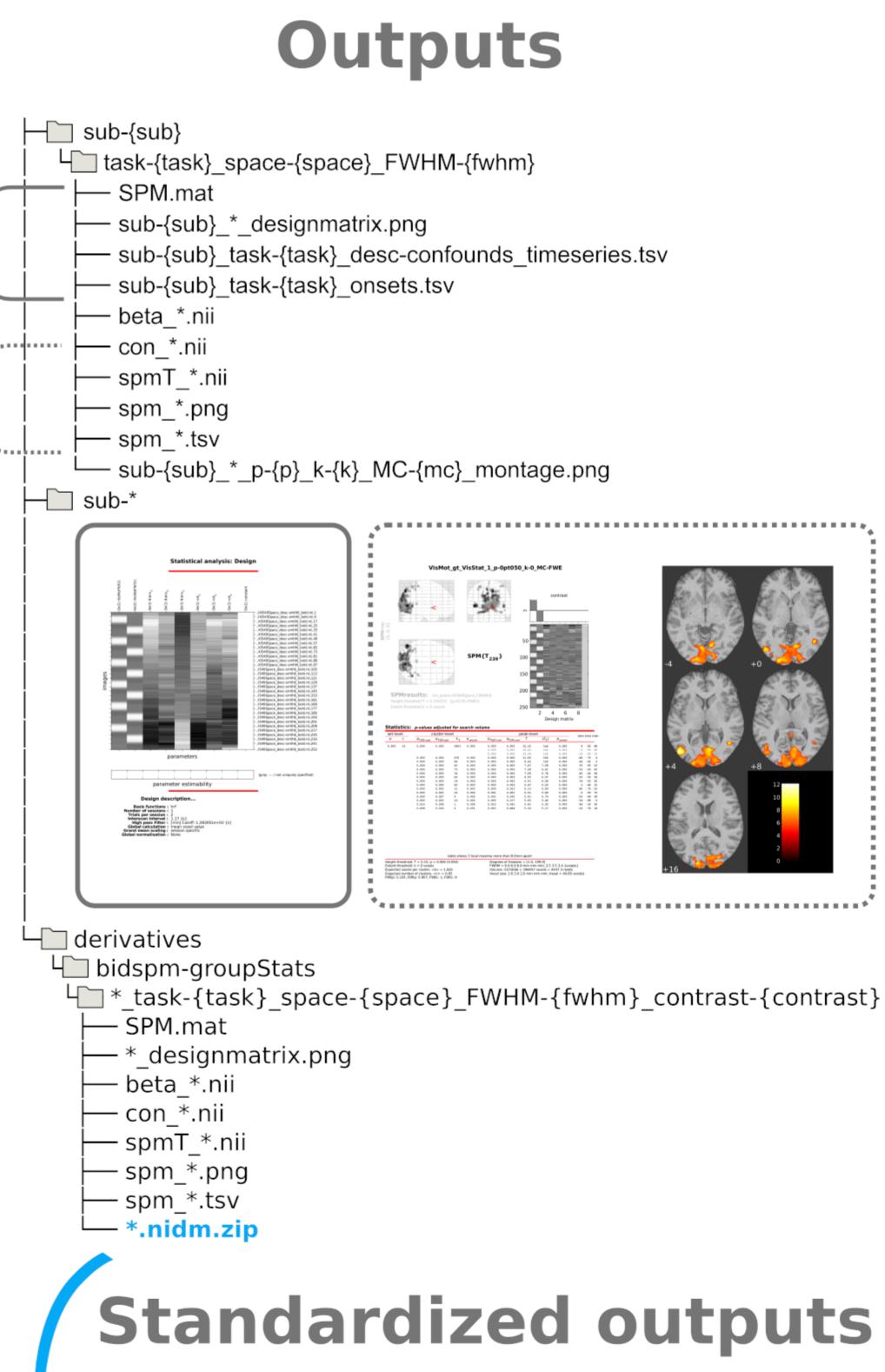


- ROI based glm (marsbar)

-- fwhm 6

- Bayesian model comparison (MACS)



















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in a few clicks.