文件：

MVPA.mlapp

Mvpa\_read\_data\_nii.m

Mvpa\_read\_data\_mat.m

Mvpa\_normalization\XXX\mvpa\_normalization.m

Mvpa\_feature\_selection\XXX\mvpa\_feature\_selection.m

\mvpa\_fs\_apply.m

Mvpa\_classify\XXX\mvpa\_classify.m

Mvpa\_param\_search\XXX\mvpa\_param\_search.m

Properties:

Mp\_data % 原始数据，样本x特征

Mp\_label % 样本x1

Mp\_mask % mask，返回权重时用

Mp\_apppath % 软件所在目录

Mp\_input\_param: data\_type % ‘nii’ or ‘mat’

data\_path

label\_path

mask\_path

mp\_norm\_param: isnorm % 0,1

norm\_type

extra

mp\_fs\_param: isfs % 0,1

fs\_type

extra

mp\_calssify\_param:classify\_type

kfold\_num % ==subject num if loocv

extra

mp\_ps\_param: isps % 0,1 == 1 if fnum\_cv == 1 or classify\_param\_cv == 1

ps\_fnum\_type % ‘range’,’cv2’

ps\_fnum\_min

ps\_fnum\_max

ps\_fnum\_step

ps\_params % {‘fnum’,‘c’,’g’} or {‘c’,g’};

extra

mp\_output\_param:acc\_range % if ps\_fnum\_type == ‘range’

sen\_range

spe\_range

acc\_best

sen\_best

spe\_best

fnum\_best % kfold x 1

auc\_best

label\_predicted\_best

dvalue\_best

function:

mf\_read\_data(app)

mf\_normalization(app)

[tp\_train\_idx,tp\_test\_idx] = mf\_kfold(app)

[tp\_feature,tp\_invert\_param] = mf\_feature\_sel(app,tp\_data,tp\_label)

tp\_feature = mf\_fs\_apply(app,tp\_data,tp\_fs\_param)

mf\_classify(app,tp\_train\_idx,tp\_test\_idx)