

Domain Heuristic



People with parkinson have low arm-swing, low step length, and ...

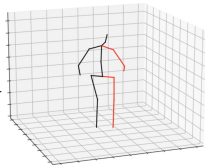
Labeling Functions

Generating Pseudo Labels

PD dataset



3D Pose Estimator



f_1
 f_2
 f_3
 \vdots
 f_n

λ_1
 λ_2
 λ_3
 \vdots
 λ_n

Initial thresholds

$\hat{\lambda}_1$
 $\hat{\lambda}_2$
 $\hat{\lambda}_3$
 \vdots
 $\hat{\lambda}_n$

Label matrix

	$\hat{\lambda}_1$...	$\hat{\lambda}_n$
S_1	1	...	0
S_2	0		1
\vdots	1		0
S_m	1		1

Generative Model

w_1
 w_2
 \vdots
 w_n

\times

Denoising Network

Y

loss

\tilde{Y}