**BCPA hard clustering:**

Windowsize=80

K=2

Clusterwidth=15

**BCPA mixed membership fine:**

Windowsize=80

K=2

Clusterwidth=1

**BCPA mixed membership coarse:**

Windowsize=80

K=2

Clusterwidth=30

**HMM hard output:**

Value of the maximum log-likelihood: -3778.551

step parameters:

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Resting Exploratory Transit

mean 0.2637760 2.013912 9.912426

sd 0.5363745 1.440472 3.222529

angle parameters:

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Resting Exploratory Transit

mean 3.1397672 0.10547615 -0.001826299

concentration 0.8014857 0.02869913 0.803508827

Regression coeffs for the transition probabilities:

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1 -> 2 1 -> 3 2 -> 1 2 -> 3 3 -> 1 3 -> 2

(Intercept) -4.631561 -6.44905 -4.770474 -5.786072 -4.2745 -5.678458

Transition probability matrix:

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Resting Exploratory Transit

Resting 0.988805170 0.009630516 0.001564314

Exploratory 0.008379603 0.988585423 0.003034973

Transit 0.013681792 0.003360562 0.982957646

Initial distribution:

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Resting Exploratory Transit

0.4599103 0.4226138 0.1174759

**HMM mixed output:**

Value of the maximum log-likelihood: -10554.26

step parameters:

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Resting Exploratory Transit

mean 0.3745256 2.07637 9.899289

sd 0.7806494 1.64707 3.262195

angle parameters:

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Resting Exploratory Transit

mean 3.1361611 1.69037383 0.002555397

concentration 0.7831354 0.03122822 0.803580170

Regression coeffs for the transition probabilities:

---------------------------------------------------

1 -> 2 1 -> 3 2 -> 1 2 -> 3 3 -> 1 3 -> 2

(Intercept) -2.89274 -2.044941 -2.391221 -2.182099 -1.054181 -1.58069

Transition probability matrix:

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Resting Exploratory Transit

Resting 0.84401578 0.04677883 0.10920539

Exploratory 0.07599116 0.83034249 0.09366635

Transit 0.22420080 0.13242726 0.64337194

Initial distribution:

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Resting Exploratory Transit

0.4708633 0.3048765 0.2242602