```
Warning: Column headers from the file were modified to make them valid MATLAB identifiers
before creating variable names for the table. The original column headers are
saved in the VariableDescriptions property.
Set 'VariableNamingRule' to 'preserve' to use the original column headers as table
variable names.
Mean speed vs MSD
  CalinskiHarabaszEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 888.7583 1.2162e+03 1.5729e+03 1.8517e+03 2.1675e+03 2.4081e+03
2.7743e+03 3.4743e+03 4.0487e+03]
           OptimalK: 10


  Properties, Methods

Mean speed vs TSD
  CalinskiHarabaszEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 1.2068e+03 1.2820e+03 1.4590e+03 1.5161e+03 1.5144e+03 1.4763
e+03 1.5121e+03 1.5297e+03 1.4571e+03]
           OptimalK: 9


  Properties, Methods

Mean speed vs Mean Angle
  CalinskiHarabaszEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 1.0409e+03 1.4171e+03 1.6659e+03 1.8529e+03 2.2376e+03 2.4907
e+03 2.7415e+03 2.9348e+03 3.3263e+03]
           OptimalK: 10


  Properties, Methods

MSD vs TSD
  CalinskiHarabaszEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 885.4257 1.2101e+03 1.5550e+03 1.8246e+03 2.1351e+03 2.3591e+03
2.6806e+03 3.3575e+03 3.8623e+03]
           OptimalK: 10
```

```
  Properties, Methods

MSD vs Mean Angle
  CalinskiHarabaszEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 415.3157 467.0262 485.3751 477.5564 478.1446 493.4017 480.2409↙
481.4022 492.8799]
           OptimalK: 7


  Properties, Methods

TSD vs Mean Angle
  CalinskiHarabaszEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 1.0365e+03 1.4049e+03 1.6417e+03 1.8118e+03 2.1700e+03 2.3924↙
e+03 2.5718e+03 2.7696e+03 3.0690e+03]
           OptimalK: 10


  Properties, Methods

Mean speed vs MSD
  DaviesBouldinEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 0.5706 0.5301 0.4857 0.4962 0.4909 0.5170 0.4194 0.4214 0.4188]
           OptimalK: 10


  Properties, Methods

Mean speed vs TSD
  DaviesBouldinEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 0.5462 0.6037 0.6314 0.7011 0.7718 0.7667 0.7495 0.7846 0.8227]
           OptimalK: 2


  Properties, Methods

Mean speed vs Mean Angle
  DaviesBouldinEvaluation with properties:
```

```
    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 0.5578 0.5315 0.5237 0.5363 0.5318 0.5177 0.5196 0.5244 0.5205]
           OptimalK: 7


  Properties, Methods

MSD vs TSD
  DaviesBouldinEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 0.5724 0.5369 0.4901 0.4984 0.4990 0.4389 0.4360 0.4368 0.4400]
           OptimalK: 8


  Properties, Methods

MSD vs Mean Angle
  DaviesBouldinEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 0.8364 0.8563 0.8336 0.8030 0.7991 0.7867 0.8023 0.8107 0.8095]
           OptimalK: 7


  Properties, Methods

TSD vs Mean Angle
  DaviesBouldinEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 0.5610 0.5385 0.5346 0.5483 0.5459 0.5460 0.5453 0.5483 0.5761]
           OptimalK: 4


  Properties, Methods

Mean speed vs MSD
  GapEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [1.3825 1.0159 0.9540 0.9425 0.9064 0.9043 0.8728 0.8876 0.9823↙
1.0358]
           OptimalK: 1
```

```
  Properties, Methods

Mean speed vs TSD
  GapEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [0.5152 0.6174 0.7022 0.9129 1.0438 1.0784 1.0509 1.0478 1.0361↙
1.0115]
           OptimalK: 6


  Properties, Methods

Mean speed vs Mean Angle
  GapEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [0.7235 0.4673 0.4294 0.3441 0.2583 0.2821 0.2619 0.2290 0.1730↙
0.2052]
           OptimalK: 1


  Properties, Methods

MSD vs TSD
  GapEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [1.3824 1.0190 0.9555 0.9533 0.9186 0.9234 0.8808 0.9136 1.0298↙
1.1047]
           OptimalK: 1


  Properties, Methods

MSD vs Mean Angle
  GapEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [1.1102 1.1824 1.1935 1.0778 1.0903 1.0881 1.1088 1.0727 1.0469↙
1.0435]
           OptimalK: 2


  Properties, Methods

TSD vs Mean Angle
```

```
  GapEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [0.7273 0.4713 0.4320 0.3663 0.2830 0.3097 0.2916 0.2800 0.2718↙
0.3015]
           OptimalK: 1


  Properties, Methods

Mean speed vs MSD
  SilhouetteEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 0.7898 0.7816 0.7835 0.7815 0.7638 0.7653 0.7424 0.7630 0.7749]
           OptimalK: 2


  Properties, Methods

Mean speed vs TSD
  SilhouetteEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 0.7651 0.6884 0.7063 0.6609 0.6111 0.6213 0.6067 0.6110 0.5934]
           OptimalK: 2


  Properties, Methods

Mean speed vs Mean Angle
  SilhouetteEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 0.7682 0.7254 0.7082 0.6886 0.6997 0.6924 0.6926 0.6988 0.7000]
           OptimalK: 2


  Properties, Methods

MSD vs TSD
  SilhouetteEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 0.7893 0.7685 0.7820 0.7813 0.7609 0.7660 0.7363 0.7615 0.7689]
           OptimalK: 2
```

```
  Properties, Methods

MSD vs Mean Angle
  SilhouetteEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 0.6035 0.6111 0.5526 0.5546 0.5665 0.5429 0.5398 0.5478 0.5306]
           OptimalK: 3


  Properties, Methods

TSD vs Mean Angle
  SilhouetteEvaluation with properties:

    NumObservations: 500
         InspectedK: [1 2 3 4 5 6 7 8 9 10]
    CriterionValues: [NaN 0.7675 0.7239 0.7048 0.6677 0.6922 0.6837 0.6826 0.6722 0.6887]
           OptimalK: 2


  Properties, Methods

>>
```