**Table 1.** Datasets and related analyses and figures.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Dataset | Animal | Array(s) | Task | # of Pooled Recordings  | jPCA (Fig. 1) | Decoding (Fig. 2) | Tangling (Fig. 3) |
| Dataset 1 | Monkey 1 | Gray Matter | Grasp | 6 | X |  | X |
| Dataset 2 | Monkey 2 | Gray Matter | Grasp | 9 | X |  | X |
| Dataset 3 | Monkey 3 | Utah, FMA | Grasp | 1 |  | X |  |
| Dataset 4 | Monkey 1 | Utah | Grasp | 1 |  | X |  |
| Dataset 5 | Monkey 4 | Utah | Reach | 1 | X | X | X |
| Dataset 6 | Monkey 5 | Utah | Reach | 1 | X | X | X |