

Analysis for dataset ‘UR3 CobotOps’

799DSAN CapStone Project

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Introduction

Introduction text

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The data source is from Tyrovolas,Marios, Aliev,Khurshid, Antonelli,Dario, and Stylios,Chrysostomos. (2024). UR3 CobotOps. UCI Machine Learning Repository. <https://doi.org/10.24432/C5J891>. (Tyrovolas & Stylios, 2024).

data

Variables list

Variable Name	Role	Type	Missing Values
Current_J0	Feature	Continuous	yes
Temperature_T0	Feature	Continuous	yes
Current_J1	Feature	Continuous	yes
Temperature_J1	Feature	Continuous	yes
Current_J2	Feature	Continuous	yes
Temperature_J2	Feature	Continuous	yes
Current_J3	Feature	Continuous	yes
Temperature_J3	Feature	Continuous	yes
Current_J4	Feature	Continuous	yes
Temperature_J4	Feature	Continuous	yes
Current_J5	Feature	Continuous	yes
Temperature_J5	Feature	Continuous	yes
Speed_J0	Feature	Continuous	yes
Speed_J1	Feature	Continuous	yes
Speed_J2	Feature	Continuous	yes

Variable Name	Role	Type	Missing Values
Speed_J3	Feature	Continuous	yes
Speed_J4	Feature	Continuous	yes
Speed_J5	Feature	Continuous	yes
Tool_current	Feature	Continuous	yes
cycle	Feature	Integer	no
Robot_ProtectiveStop	Target	Binary	yes
grip_lost	Target	Binary	no

References

Tyrovolas, A., Marios, & Stylios, C. (2024). *UR3 CobotOps*. UCI Machine Learning Repository.