



Supplement of

**Review article: Towards improved drought prediction in the
Mediterranean region – modeling approaches and future directions**

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Table S1: Studies Utilized for Comparing the accuracy of Drought Prediction Models, as Depicted in Figure 4.

Reference	drought approach	Forecast model	Accuracy (R ²)
(Sousa et al, 2011)	Statistical	Regression	0,79
(Martínez-Fernández et al, 2016)	Statistical	Regression	0,72
(Tigkas and Tsakiris, 2015)	Statistical	Regression	0,91
(Achite et al, 2022)	Statistical	Time series	0,97
(Pablos et al, 2017)	Statistical	Time series	0,8
(Jiménez-Donaire et al, 2020)	Statistical	Time series	0,82
(Di Nunno et al, 2021)	Statistical	AI	0,9842
(El Aissaoui et al,2021)	Statistical	AI	0,9
(Achour et al, 2020)	Statistical	AI	0,912
(Habibi et al, 2018)	Statistical	Markov Chain	0,95
(Nalbantis and Tsakiris, 2009)	Statistical	Markov Chain	0,88
(Cancelliere et al, 2007)	Statistical	Markov Chain	0,895
(El Ibrahimy and Baali, 2018)	Statistical	Hybrid-statistical	0,98
(Özger et al, 2020)	Statistical	Hybrid-statistical	0,93
(Brouziyne et al, 2020)	Dynamical	Dynamical	0,72
(Mendicino et al, 2008)	Dynamical	Dynamical	0,86