

# 1 Appendix: Results of Resource Selection for Machine Learning

Weather Station	Horizon	PC	FI
Sete Lagoas	1	['Tmean', 'Tmax'], [[1, 2, 3, 4], [1]], ['Eto'], [1, 2, 3, 4, 5]]	['Tmax', 'I', 'Tmean', 'UR', 'J'], [[1], [1], [2, 1], [1], [22, 26]], ['Eto'], [1, 2, 3]]
Sete Lagoas	3	['Tmean'], [[3, 4, 5, 6, 7, 8, 9]], ['Eto'], [3, 4, 5]]	['Tmean', 'J'], [[8, 5], [26, 6, 30, 29]], ['Eto'], [4, 3, 5, 6]]
Sete Lagoas	7	['Tmean', 'Tmin'], [[7, 8, 9, 10, 11, 12], [7]], ['Eto'], [7, 8, 9]]	['Tmean', 'J'], [[9, 7, 11], [27, 30, 23, 25, 19]], ['Eto'], [8, 11]]
Sete Lagoas	10	['Tmean', 'Tmin'], [[10, 11, 12, 13, 14], [10]], ['Eto'], [10, 11, 12, 13]]	-
Pampulha	1	['umi <sub>rel</sub> ', 'umi <sub>max</sub> ', 'radiation', 'umi <sub>min</sub> ', 'temp <sub>max</sub> '], [[1, 2], [1, 2], [1], [1], [1]], ['Eto'], [1, 2, 3]]	['radiation', 'umi <sub>rel</sub> ', 'umi <sub>min</sub> ', 'umi <sub>max</sub> ', 'J', 'press <sub>atm</sub> ', 'wind'], [[1], [1, 2], [1], [1], [27], [1], [1]], ['Eto'], [1, 2]]
Pampulha	3	['umi <sub>max</sub> ', 'umi <sub>rel</sub> ', 'radiation'], [[3, 4], [3, 4], [3]], ['Eto'], [3, 4, 5, 6, 7]]	['J', 'umi <sub>rel</sub> ', 'press <sub>atm</sub> '], [[22, 29, 26, 23, 21], [3, 4], [3]], ['Eto'], [3, 4]]
Pampulha	7	[[], [], ['Eto'], [7, 8, 9, 10, 11, 12, 15, 20, 21, 13]]	['J'], [[27, 19, 15, 29, 26, 20, 24, 28, 10, 22]], [], []]
Pampulha	10	[[], [], ['Eto'], [10, 11, 12, 15, 20, 21, 13, 14, 16, 22]]	['J'], [[30, 26, 25, 17, 10, 28, 19, 29, 11, 24]], [], []]
Brasília	1	['temp <sub>media</sub> '], [[29, 28, 30]], ['Eto'], [1, 2, 3, 4, 5, 6, 7]]	['temp <sub>media</sub> ', 'J', 'press <sub>atm</sub> '], [[26, 29, 22], [5], [25]], ['Eto'], [1, 2, 3, 4, 28]]

Brasília	3	[[ <i>'temp<sub>media</sub>'</i> ], [[29, 28, 30, 27]], [ <i>'Eto'</i> ], [3, 4, 5, 6, 7, 8]]	[[ <i>'temp<sub>media</sub>'</i> , <i>'press<sub>atm</sub>'</i> , <i>'J'</i> ], [[29, 30], [25, 28, 22, 24], [17]], [ <i>'Eto'</i> ], [3, 5, 4]]
Brasília	7	[[ <i>'temp<sub>media</sub>'</i> ], [[29, 28, 30, 27, 26, 24, 25, 22]], [ <i>'Eto'</i> ], [7, 8]]	[[ <i>'temp<sub>media</sub>'</i> , <i>'press<sub>atm</sub>'</i> , <i>'J'</i> ], [[26, 28, 22, 21, 17, 18], [28, 29, 22], [7]], [], []]
Brasília	10	[[ <i>'temp<sub>media</sub>'</i> ], [[29, 28, 30, 27, 26, 24, 25, 22, 23, 21]], [], []]	[[ <i>'temp<sub>media</sub>'</i> , <i>'press<sub>atm</sub>'</i> , <i>'temp<sub>min</sub>'</i> , <i>'J'</i> ], [[28, 29, 30, 23], [30, 20], [30], [21, 13, 10]], [], []]
Manaus	1	[[ <i>'umi<sub>rel</sub>'</i> , <i>'umi<sub>min</sub>'</i> , <i>'temp<sub>media</sub>'</i> , <i>'temp<sub>max</sub>'</i> , <i>'radiation'</i> , <i>'umi<sub>max</sub>'</i> , <i>'temp<sub>min</sub>'</i> ], [[1, 2], [1], [1], [1], [1], [1]], [ <i>'Eto'</i> ], [1, 2]]	[[ <i>'umi<sub>min</sub>'</i> , <i>'umi<sub>rel</sub>'</i> , <i>'temp<sub>max</sub>'</i> , <i>'temp<sub>media</sub>'</i> , <i>'radiation'</i> , <i>'wind'</i> , <i>'umi<sub>max</sub>'</i> ], [[1], [1, 16], [1], [2, 1], [1], [1], [1]], [ <i>'Eto'</i> ], [1]]
Manaus	3	[[ <i>'umi<sub>rel</sub>'</i> ], [[3, 13, 9, 8, 4, 12, 14, 7, 10]], [ <i>'Eto'</i> ], [3]]	[[ <i>'J'</i> , <i>'umi<sub>min</sub>'</i> ], [[4, 5, 19, 15, 6, 13, 7, 21], [4]], [ <i>'Eto'</i> ], [13]]
Manaus	7	[[ <i>'umi<sub>rel</sub>'</i> ], [[13, 9, 8, 12, 14, 7, 10, 11]], [ <i>'Eto'</i> ], [13, 8]]	[[ <i>'temp<sub>max</sub>'</i> , <i>'J'</i> , <i>'umi<sub>rel</sub>'</i> , <i>'umi<sub>min</sub>'</i> ], [[8], [13, 14, 16, 9, 27, 10], [9, 13], [16]], [], []]
Manaus	10	[[ <i>'umi<sub>rel</sub>'</i> ], [[13, 12, 14, 10, 11, 15, 16, 17]], [ <i>'Eto'</i> ], [13, 14]]	[[ <i>'J'</i> , <i>'umi<sub>min</sub>'</i> ], [[21, 14, 30, 12, 11, 23, 24, 16, 15], [13]], [], []]
Porto Alegre	1	[[ <i>'radiation'</i> , <i>'temp<sub>max</sub>'</i> , <i>'temp<sub>media</sub>'</i> ], [[1], [1], [1, 5, 2, 4, 3]], [ <i>'Eto'</i> ], [1, 2, 3]]	[[ <i>'radiation'</i> , <i>'temp<sub>media</sub>'</i> , <i>'temp<sub>min</sub>'</i> , <i>'umi<sub>min</sub>'</i> , <i>'umi<sub>rel</sub>'</i> , <i>'temp<sub>max</sub>'</i> ], [[1, 3], [4, 13], [3], [1], [1], [1]], [ <i>'Eto'</i> ], [1, 2]]

Porto Alegre	3	[[ <i>'temp<sub>media</sub>'</i> , [[5, 4, 3, 6, 7, 12, 11]], [ <i>'Eto'</i> ], [3, 4, 5]]	[[ <i>'temp<sub>media</sub>'</i> , <i>'radiation'</i> , <i>'J'</i> , <i>'temp<sub>max</sub>'</i> ], [[7, 3, 13], [3, 6], [26, 12], [3]], [ <i>'Eto'</i> ], [3, 5]]
Porto Alegre	7	[[ <i>'temp<sub>media</sub>'</i> , <i>'temp<sub>max</sub>'</i> ], [[7, 12, 11, 8, 13, 10, 9], [7]], [ <i>'Eto'</i> ], [7, 13]]	[[ <i>'J'</i> , <i>'temp<sub>media</sub>'</i> , <i>'radiation'</i> ], [[23, 14, 22, 19], [12, 7, 11, 16, 13], [13]], [], []]
Porto Alegre	10	[[ <i>'temp<sub>media</sub>'</i> , <i>'temp<sub>min</sub>'</i> ], [[12, 11, 13, 10, 14], [12, 11]], [ <i>'Eto'</i> ], [13, 12, 10]]	[[ <i>'temp<sub>media</sub>'</i> , <i>'J'</i> ], [[11, 12, 16, 15], [30, 28, 24, 18, 14, 20]], [], []]
Maceió	1	[[ <i>'umi<sub>rel</sub>'</i> , <i>'radiation'</i> , <i>'wind'</i> , <i>'temp<sub>max</sub>'</i> , <i>'temp<sub>media</sub>'</i> ], [[1], [1], [1], [1], [1]], [ <i>'Eto'</i> ], [1, 2, 3, 4, 5]]	[[ <i>'radiation'</i> , <i>'umi<sub>min</sub>'</i> , <i>'umi<sub>rel</sub>'</i> , <i>'J'</i> , <i>'temp<sub>max</sub>'</i> ], [[1], [1], [1], [28], [1]], [ <i>'Eto'</i> ], [1, 2, 4, 5, 3]]
Maceió	3	[[[], [], [ <i>'Eto'</i> ], [3, 4, 5, 6, 7, 9, 10, 8, 11, 12]]	[[ <i>'J'</i> , <i>'radiation'</i> ], [[28, 25, 27, 19], [4]], [ <i>'Eto'</i> ], [3, 6, 11, 4, 8]]
Maceió	7	[[[], [], [ <i>'Eto'</i> ], [7, 9, 10, 8, 11, 12, 13, 14, 15, 21]]	[[ <i>'J'</i> ], [[27, 21, 19, 9]], [ <i>'Eto'</i> ], [13, 7, 11, 12, 8, 14]]
Maceió	10	[[[], [], [ <i>'Eto'</i> ], [10, 11, 12, 13, 14, 15, 21, 23, 19, 22]]	[[ <i>'J'</i> ], [[27, 24, 30, 26, 28, 29, 14]], [ <i>'Eto'</i> ], [11, 13, 15]]