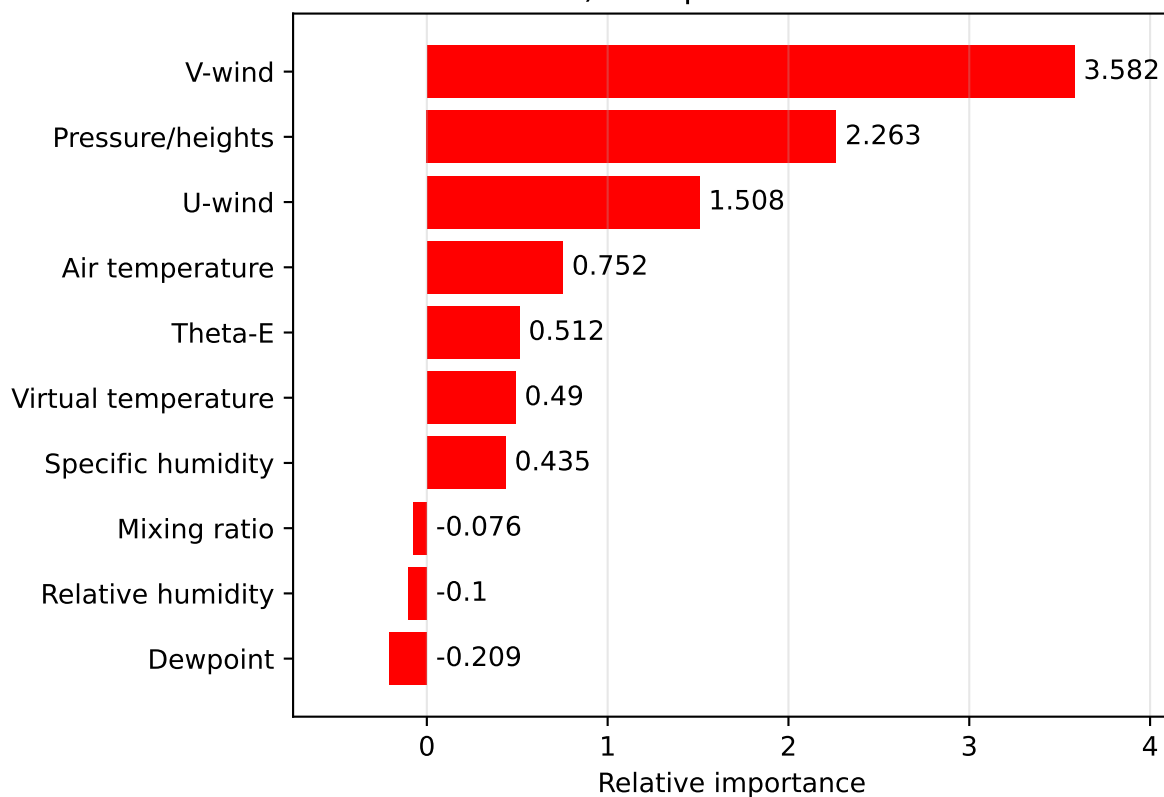
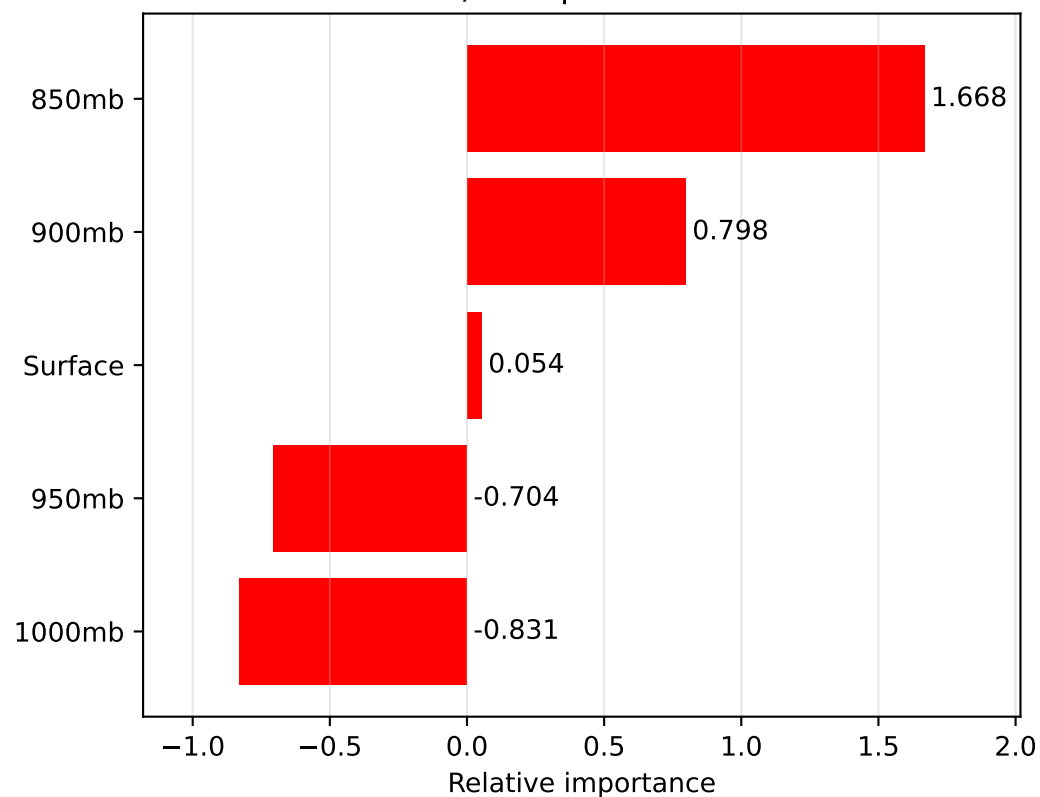


Warm front permutations: CONUS

a) Grouped variables



b) Grouped levels



c) Variables on single levels

	Surface	1000mb	950mb	900mb	850mb
Air temperature	12 (0.106)	11 (0.154)	20 (0.015)	41 (-0.156)	35 (-0.080)
Dewpoint	29 (-0.056)	47 (-0.235)	50 (-0.287)	31 (-0.068)	28 (-0.054)
Virtual temperature	26 (-0.041)	18 (0.028)	21 (0.006)	36 (-0.084)	37 (-0.089)
U-wind	8 (0.299)	10 (0.161)	16 (0.032)	13 (0.084)	30 (-0.057)
V-wind	5 (0.435)	2 (0.566)	4 (0.480)	1 (0.601)	6 (0.380)
Mixing ratio	42 (-0.165)	32 (-0.071)	39 (-0.138)	49 (-0.267)	45 (-0.207)
Specific humidity	34 (-0.077)	17 (0.029)	27 (-0.045)	23 (-0.034)	14 (0.081)
Relative humidity	33 (-0.071)	40 (-0.140)	48 (-0.242)	43 (-0.190)	22 (-0.009)
Pressure/heights	46 (-0.211)	7 (0.309)	3 (0.516)	9 (0.216)	24 (-0.038)
Theta-E	25 (-0.041)	15 (0.040)	19 (0.023)	38 (-0.121)	44 (-0.199)