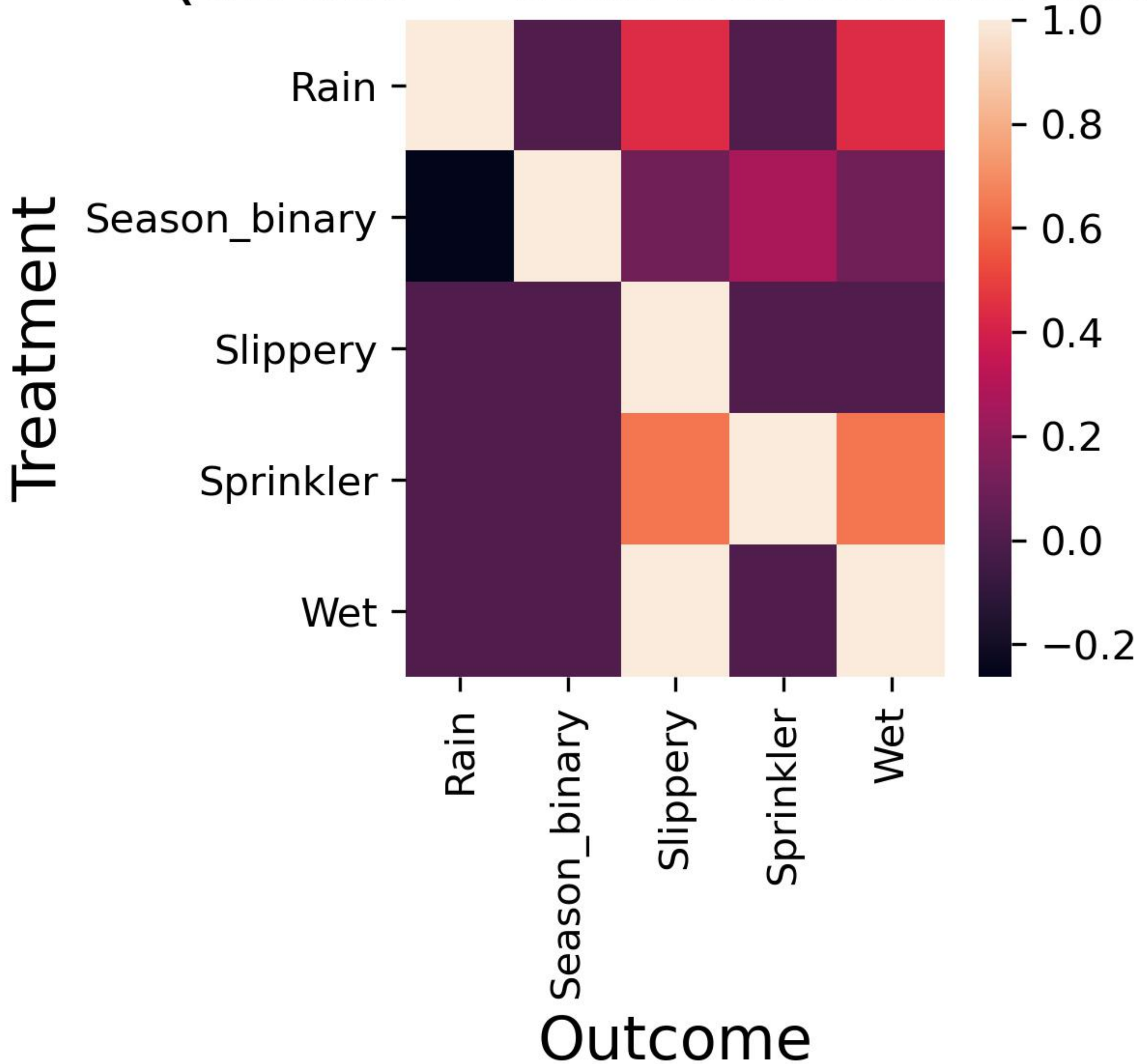


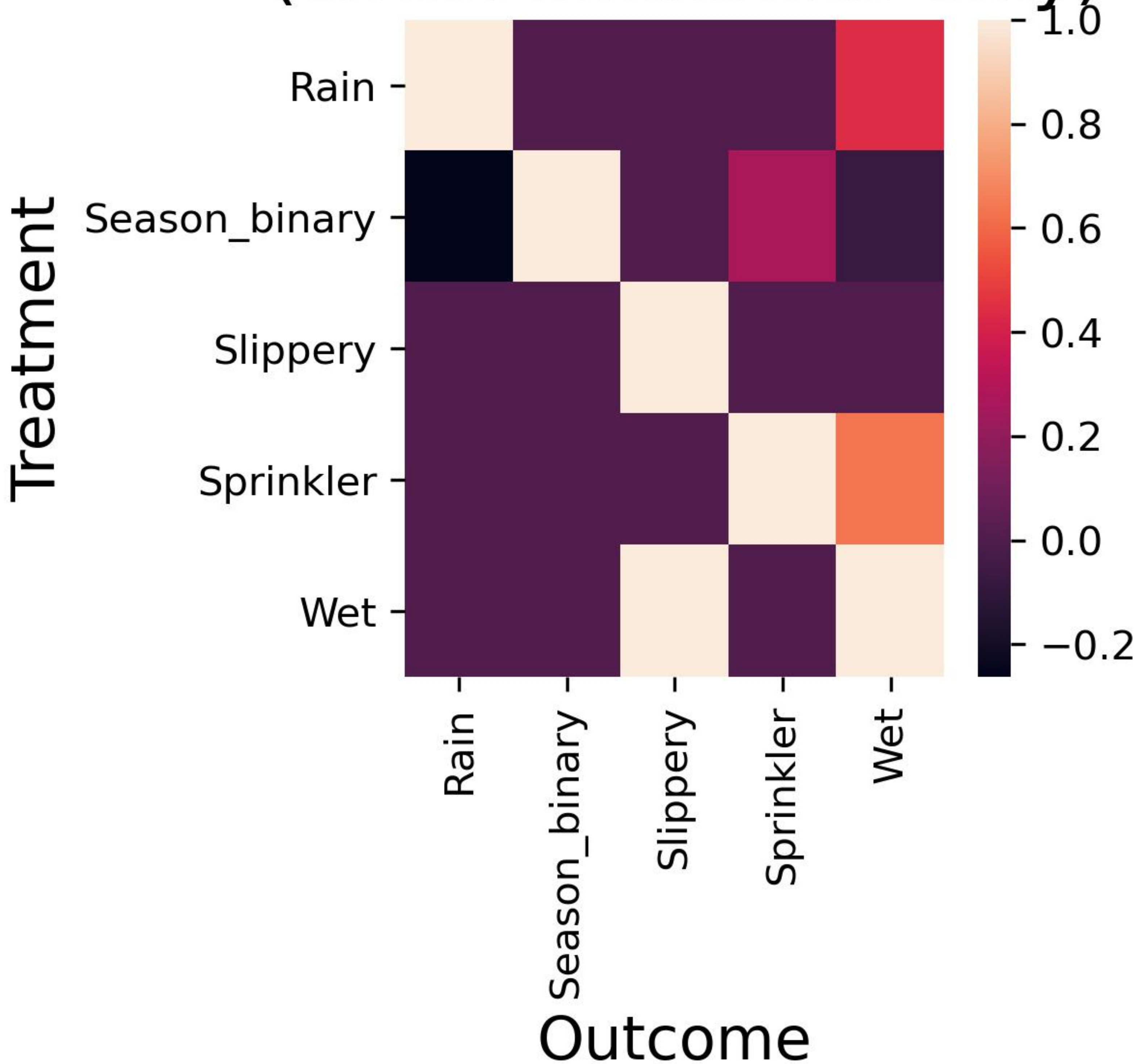
Remaining allowed edges (all others forbidden by domain knowledge):

Source	Destination
Wet	Rain
Rain	Slippery
Wet	Sprinkler
Sprinkler	Slippery
Season_binary	Wet
Season_binary	Slippery
Rain	Sprinkler

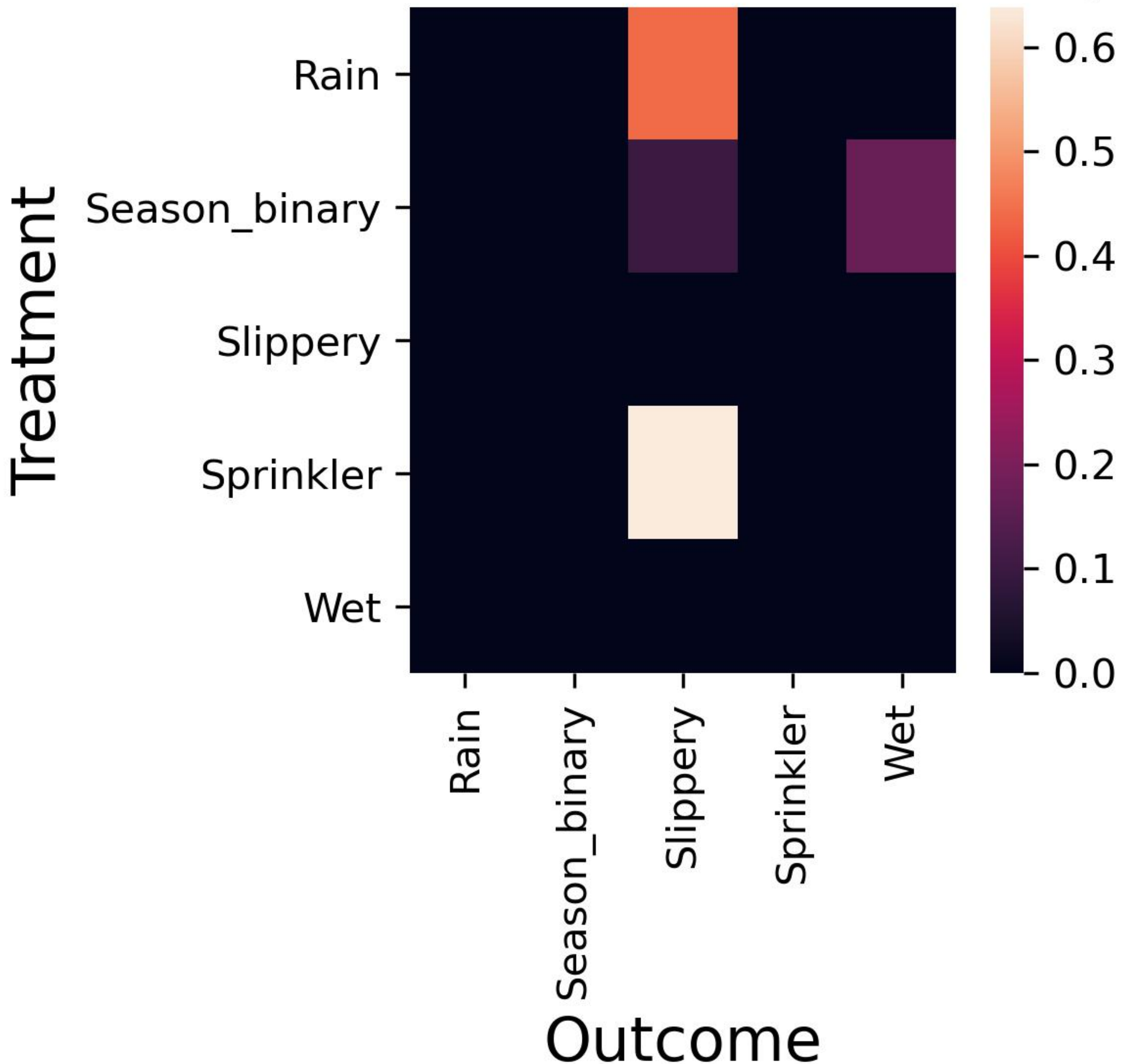
Average Treatment Effects (direct + indirect influences)



Natural Direct Effects (direct influences only)



Natural Indirect Effects (indirect influences only)



Passed validations (2/4):

Effect Type	Treatment	Outcome	Estimated	Expected
direct + indirect	Sprinkler	Wet	0.64	greater than 0
direct + indirect	Wet	Slippery	1.00	greater than 0

Failed validations (2/4):

Effect Type	Treatment	Outcome	Estimated	Expected
direct	Sprinkler	Rain	0.00	less than 0
indirect	Slippery	Season_binary	0.00	between 0.2 and 0.4

10 Largest Average Treatment Effects
(direct + indirect influences):

Treatment	Outcome	Estimated_effect
Wet	Slippery	1.00
Sprinkler	Wet	0.64
Sprinkler	Slippery	0.64
Rain	Wet	0.44
Rain	Slippery	0.44
Season_binary	Sprinkler	0.28
Season_binary	Rain	-0.26
Season_binary	Wet	0.10
Season_binary	Slippery	0.10
Wet	Season_binary	0.00

10 Largest Natural Direct Effects
(direct influences only):

Treatment	Outcome	Estimated_effect
Wet	Slippery	1.00
Sprinkler	Wet	0.64
Rain	Wet	0.44
Season_binary	Sprinkler	0.28
Season_binary	Rain	-0.26
Season_binary	Wet	-0.07
Rain	Slippery	0.00
Season_binary	Slippery	0.00
Sprinkler	Slippery	0.00
Wet	Season_binary	0.00

10 Largest Natural Indirect Effects
(indirect influences only):

Treatment	Outcome	Estimated_effect
Sprinkler	Slippery	0.64
Rain	Slippery	0.44
Season_binary	Wet	0.17
Season_binary	Slippery	0.10
Wet	Season_binary	0.00
Wet	Slippery	0.00
Wet	Sprinkler	0.00
Wet	Rain	0.00
Season_binary	Sprinkler	0.00
Season_binary	Rain	0.00

Average Treatment Effects
(direct + indirect influences)

	Rain	Season_binary	Slippery	Sprinkler	Wet
Rain	1.00	0.00	0.44	0.00	0.44
Season_binary	-0.26	1.00	0.10	0.28	0.10
Slippery	0.00	0.00	1.00	0.00	0.00
Sprinkler	0.00	0.00	0.64	1.00	0.64
Wet	0.00	0.00	1.00	0.00	1.00

Natural Direct Effects (direct influences only)

	Rain	Season_binary	Slippery	Sprinkler	Wet
Rain	1.00	0.00	0.00	0.00	0.44
Season_binary	-0.26	1.00	0.00	0.28	-0.07
Slippery	0.00	0.00	1.00	0.00	0.00
Sprinkler	0.00	0.00	0.00	1.00	0.64
Wet	0.00	0.00	1.00	0.00	1.00

Natural Indirect Effects
(indirect influences only)

	Rain	Season_binary	Slippery	Sprinkler	Wet
Rain	0.00	0.00	0.44	0.00	0.00
Season_binary	0.00	0.00	0.10	0.00	0.17
Slippery	0.00	0.00	0.00	0.00	0.00
Sprinkler	0.00	0.00	0.64	0.00	0.00
Wet	0.00	0.00	0.00	0.00	0.00