

Table 1: Algorithm Performance on Standard Environments (Mean \pm Std Return)

	Ant	Hopper	Invpend	Pusher
AIRL	5233.60 \pm 989.55	3410.27 \pm 18.06	1000.00 \pm 0.00	-45.09 \pm 5.98
BC	5204.70 \pm 1386.33	3233.93 \pm 416.85	1000.00 \pm 0.00	-30.49 \pm 11.30
Expert SAC	5655.26 \pm 882.56	4070.47 \pm 307.83	1000.00 \pm 0.00	-30.53 \pm 7.83
GAIL	4576.90 \pm 1649.49	3476.49 \pm 1.49	1000.00 \pm 0.00	-35.51 \pm 6.41
Modified SAC	2865.51 \pm 1029.50	3363.64 \pm 378.97	1000.00 \pm 0.00	-52.08 \pm 5.58

Table 2: Algorithm Performance on Modified Ant Environments (Mean \pm Std Return)

	Disabled leg	Gear -20%	Gear -50%
AIRL	-	5098.03 \pm 82.18	2793.96 \pm 173.87
BC	844.20 \pm 406.90	5171.09 \pm 80.21	1710.13 \pm 191.90
Expert SAC	-285.85 \pm 128.88	2270.94 \pm 304.65	982.30 \pm 2.52
GAIL	1002.13 \pm 564.12	4917.77 \pm 738.36	2447.46 \pm 217.78
Modified SAC	-	2318.00 \pm 80.25	982.31 \pm 2.49

Table 3: Algorithm Performance on Modified Hopper Environments (Mean \pm Std Return)

	Friction -20%	Friction -50%	Torso Mass +20%	Torso Mass +50%
AIRL	3292.83 \pm 82.85	751.24 \pm 43.32	3498.83 \pm 3.20	1810.75 \pm 171.19
BC	880.35 \pm 25.26	490.32 \pm 29.09	1413.67 \pm 528.24	781.39 \pm 63.29
Expert SAC	2955.07 \pm 160.87	2918.38 \pm 456.25	2589.99 \pm 439.62	2968.82 \pm 26.46
GAIL	1107.00 \pm 55.79	578.50 \pm 6.61	1416.40 \pm 510.31	831.86 \pm 33.17
Modified SAC	2955.07 \pm 160.87	2929.59 \pm 483.66	2590.57 \pm 435.91	2967.84 \pm 27.05

Table 4: Algorithm Performance on Modified Invpend Environments (Mean \pm Std Return)

	Gravity +20%	Gravity +50%	Pole Mass +20%	Pole Mass +50%
AIRL	1000.00 \pm 0.00	1000.00 \pm 0.00	1000.00 \pm 0.00	1000.00 \pm 0.00
BC	1000.00 \pm 0.00	421.98 \pm 267.17	986.47 \pm 83.89	871.55 \pm 251.55
Expert SAC	1000.00 \pm 0.00	1000.00 \pm 0.00	1000.00 \pm 0.00	1000.00 \pm 0.00
GAIL	1000.00 \pm 0.00	1000.00 \pm 0.00	1000.00 \pm 0.00	1000.00 \pm 0.00
Modified SAC	1000.00 \pm 0.00	1000.00 \pm 0.00	1000.00 \pm 0.00	1000.00 \pm 0.00

Table 5: Algorithm Performance on Modified Pusher Environments (Mean \pm Std Return)

	Goal shift	Puck Mass +20%	Puck Mass +50%
AIRL	-85.29 \pm 17.93	-45.14 \pm 5.88	-44.73 \pm 6.01
BC	-58.51 \pm 9.63	-29.00 \pm 13.15	-30.75 \pm 15.15
Expert SAC	-67.63 \pm 18.21	-22.69 \pm 2.91	-52.73 \pm 5.48
GAIL	-68.40 \pm 8.98	-34.99 \pm 6.83	-34.19 \pm 7.83
Modified SAC	-	-22.69 \pm 2.91	-26.10 \pm 4.13