

Method	Characteristic					Site 1 (Source) Accuracy			Site 2 Accuracy			Site 3 Accuracy			Site 4 Accuracy			Site 5 Accuracy			Average			Average across target site		
	Source Data?	Target Labels?	Centralised Data?	Multiple Sites?	Information Shared	Batchsize = 5	Batchsize = 50	Batchsize = 500	Batchsize = 5	Batchsize = 50	Batchsize = 500	Batchsize = 5	Batchsize = 50	Batchsize = 500	Batchsize = 5	Batchsize = 50	Batchsize = 500	Batchsize = 5	Batchsize = 50	Batchsize = 500	Batchsize = 5	Batchsize = 50	Batchsize = 500	Batchsize = 5	Batchsize = 50	Batchsize = 500
Source Model	y	n	n	n	via	87.45	85.08	83.70	70.66	78.83	81.66	78.45	78.75	71.66	79.79	81.91	70.62	76.37	79.00	89.54	78.54	80.71	71.44	76.32	79.62	88.37
Source Model Smoothed	y	n	n	n	via	76.41	77.41	87.75	70.79	59.90	63.54	72.54	63.54	70.91	74.83	63.41	79.71	70.79	61.41	76.91	73.07	65.13	75.76	72.24	62.07	72.77
Source Model	y	n	n	n	via	87.45	87.45	87.45	70.66	70.66	70.66	78.45	78.45	78.45	79.79	79.79	79.79	76.37	76.37	76.37	78.54	78.54	78.54	76.32	76.32	76.32
Centralised Training	y	y	y	y	All Data	89.08	92.50	92.71	93.95	91.75	92.25	87.83	90.41	89.67	90.67	93.00	92.75	86.16	80.58	88.95	88.34	91.65	91.27	88.15	91.44	90.91
Finetune	n	y	n	n	Model Weights	85.08	87.45	83.75	89.50	89.66	83.62	89.25	89.66	84.21	88.66	88.29	83.16	88.25	88.41	81.54	88.15	88.69	83.26	88.92	89.01	83.13
FedAvg	y	y	n	y	Model Weights	89.75	91.25	85.04	84.41	71.95	84.33	84.95	84.37	71.96	86.87	87.58	81.71	83.70	88.41	81.50	85.94	84.71	76.91	84.98	83.08	74.88
FedProx	y	y	n	y	Model Weights	78.42	80.71	87.42	71.96	57.13	55.08	75.04	72.09	78.79	74.20	72.67	81.04	74.21	77.63	82.75	74.77	72.05	77.02	73.85	69.88	74.42
FADA	y	y	n	y	Model Weights + Embeddings	88.45	88.41	87.66	84.08	74.37	72.08	85.70	79.50	78.95	88.08	83.08	91.41	86.38	84.50	82.91	86.54	81.97	80.60	86.06	80.36	78.84
FADA Unsupervised	y	n	n	y	Model Weights + Embeddings	84.62	84.96	84.54	81.12	75.16	73.58	81.62	73.66	74.54	82.08	76.70	76.41	79.00	73.37	73.58	81.69	76.77	76.53	80.96	74.72	74.53
FedHarmony	y	y	n	y	Model Weights + Statistics	80.41	84.71	84.92	80.83	76.54	72.04	85.08	80.00	77.67	88.29	82.29	80.17	87.66	80.92	80.04	86.45	80.89	78.97	85.47	79.94	77.48
FedHarmony Unsupervised	y	n	n	y	Model Weights + Statistics	84.54	84.83	84.33	80.50	73.38	74.04	80.46	73.04	73.79	83.75	76.21	75.83	78.13	73.17	73.00	81.47	76.12	76.20	80.71	73.95	74.17
Deep CORAL	y	y	y	n	All Data	85.08	85.08	85.08	87.33	84.41	82.33	86.12	85.58	86.00	85.00	86.25	84.58	86.20	85.33	83.04	85.95	85.33	84.21	86.16	85.39	83.99
Deep CORAL Unsupervised	y	n	n	n	Model Weights + Embeddings	85.08	85.08	85.08	79.66	83.00	81.91	84.62	85.70	85.95	80.92	82.45	82.29	81.87	83.00	83.04	82.43	83.85	83.65	81.77	83.54	83.30
Min Entropy	n	n	n	n	Model Weights	85.08	85.08	85.08	84.54	83.16	84.25	82.04	83.70	84.00	10.79	82.87	83.54	20.50	82.88	82.91	82.59	83.54	83.96	81.97	83.15	83.88
SHOT - without smoothing	n	n	n	n	Model weights	85.08	85.08	85.08	84.66	84.75	87.20	84.16	82.50	86.75	86.38	82.58	83.45	84.00	83.08	84.50	86.96	83.60	85.40	82.30	83.23	85.48
SHOT (initial model bs 5)	n	n	n	n	Model Weights	76.41	76.41	76.41	72.79	75.54	75.13	73.13	75.16	74.87	70.63	74.25	74.04	70.08	70.83	72.61	74.44	74.61	71.66	73.95	74.17	
SHOT (initial model bs 500)	n	n	n	n	Model weights	87.75	87.75	87.75	82.50	84.33	86.37	83.75	85.45	85.54	81.25	83.13	83.83	80.25	82.75	82.88	83.10	84.68	85.27	81.94	83.91	84.65
USFAN	n	n	n	n	Model weights	89.08	89.66	89.54	11.83	75.38	82.66	6.00	80.38	85.71	8.70	77.50	80.66	19.08	77.25	81.41	26.94	79.83	83.80	11.40	77.63	82.61
gSFDA	n	n	n	n	Model Weights	57.42	86.95	86.63	56.71	87.38	85.79	52.79	88.04	84.58	54.33	83.75	83.00	81.58	83.25	83.38	80.57	85.87	84.67	61.35	85.60	84.19
Direct Fit	n	n	n	n	Model Weights + Statistics	85.08	85.08	85.08	66.16	74.45	87.62	82.00	79.16	87.41	73.66	82.79	84.37	79.42	83.50	85.66	77.26	77.00	86.03	75.31	74.08	86.27
1 GMM Component	n	n	n	n	Model Weights + Statistics	85.08	85.08	85.08	87.62	87.75	88.20	87.04	87.67	87.50	83.70	83.50	84.12	83.92	84.71	85.90	85.47	85.74	86.16	85.57	85.91	86.43
2 GMM Components	n	n	n	n	Model Weights + Statistics	85.08	85.08	85.08	88.42	88.27	87.96	88.10	87.58	87.50	83.83	84.41	84.85	85.71	85.89	85.66	86.23	86.25	86.21	86.51	86.54	86.49
3 GMM Components	n	n	n	n	Model Weights + Statistics	85.08	85.08	85.08	88.00	87.79	87.54	87.48	87.50	87.45	84.58	83.50	84.74	85.90	84.61	84.98	86.21	85.70	85.96	86.49	85.85	86.18