Table S.1. Results for both full and response-time-only models for *Employment detail* according to whether the measures were non-corrected, baseline-corrected, or baseline- and position-corrected, and the type of supervised learning model and hovers threshold.

hovers threshold	**personalization**		**classification supervised learning**	**full model**			**response-time only model**		
				accuracy	**specificity**	**sensitivity**	**accuracy**	**specificity**	**sensitivity**
250ms	uncorrected		logit regression	0.6045	0.6326	0.5737	0.6171	0.6358	0.6028
			classification tree	0.6097	0.2951	0.8828	0.5880	0.4175	0.7520
			tree-based random forest	0.5953	0.4964	0.6810	0.6061	0.3753	0.8127
			tree-based gradient boosting	0.5934	0.3487	0.8190	0.5716	0.4231	0.7127
			support vector machines	0.5935	0.5086	0.6680	0.5790	0.4964	0.6521
			neural network	0.5229	0.3873	0.6731	0.5190	0.1502	0.8615
	corrected	baseline	logit regression	0.6298	0.6448	0.6169	0.6389	0.6420	0.6406
			classification tree	0.6335	0.6244	0.6412	0.6407	0.6430	0.6376
			tree-based random forest	0.5990	0.5196	0.6658	0.5972	0.4739	0.7132
			tree-based gradient boosting	0.6389	0.5664	0.7079	0.6353	0.5813	0.6871
			support vector machines	0.6153	0.5853	0.6406	0.6025	0.5296	0.6677
			neural network	0.5755	0.7010	0.4663	0.6172	0.7487	0.4971
		baseline and position	logit regression	0.6044	0.6074	0.6058	0.6135	0.6102	0.6171
			classification tree	0.6498	0.7256	0.5772	**0.6480**	**0.5722**	**0.7065**

			tree-based random forest	0.5990	0.5319	0.6610	0.6188	0.4685	0.7591
			tree-based gradient boosting	0.6406	0.6189	0.6607	0.6354	0.5795	0.6844
			support vector machines	0.6262	0.6110	0.6403	0.6261	0.5315	0.7093
			neural network	0.5954	0.7660	0.4425	0.6207	0.7158	0.5345
500ms	uncorrected		logit regression	0.6008	0.6192	0.5817	0.6171	0.6358	0.6028
			classification tree	0.6097	0.2951	0.8828	0.5880	0.4175	0.7520
			tree-based random forest	0.5989	0.4970	0.6866	0.6061	0.3753	0.8127
			tree-based gradient boosting	0.5826	0.4426	0.7110	0.5716	0.4231	0.7127
			support vector machines	0.6026	0.5349	0.6605	0.5790	0.4964	0.6521
			neural network	0.5480	0.4147	0.6718	0.5190	0.1502	0.8615
	corrected	baseline	logit regression	0.6062	0.6241	0.5910	0.6389	0.6420	0.6406
			classification tree	0.6353	0.5371	0.7314	0.6407	0.6430	0.6376
			tree-based random forest	0.6154	0.5196	0.6945	0.5972	0.4739	0.7132
			tree-based gradient boosting	0.6225	0.5769	0.6585	0.6353	0.5813	0.6871
			support vector machines	0.6153	0.5772	0.6508	0.6025	0.5296	0.6677

			neural network	0.5901	0.7268	0.4673	0.6172	0.7487	0.4971
		baseline and position	logit regression	0.5899	0.6041	0.5801	0.6135	0.6102	0.6171
			classification tree	0.6407	0.7089	0.5772	0.6480	0.5722	0.7065
			tree-based random forest	0.6117	0.5592	0.6570	0.6188	0.4685	0.7591
			tree-based gradient boosting	0.6406	0.5959	0.6811	0.6354	0.5795	0.6844
			support vector machines	0.6154	0.5778	0.6542	0.6261	0.5315	0.7093
			neural network	0.6191	0.7617	0.4916	0.6207	0.7158	0.5345
2000ms	uncorrected		logit regression	0.6045	0.6326	0.5737	0.6171	0.6358	0.6028
			classification tree	0.6097	0.2951	0.8828	0.5880	0.4175	0.7520
			tree-based random forest	0.5807	0.4735	0.6726	0.6061	0.3753	0.8127
			tree-based gradient boosting	0.5625	0.4005	0.7174	0.5716	0.4231	0.7127
			support vector machines	0.6027	0.4986	0.6949	0.5790	0.4964	0.6521
			neural network	0.5516	0.3297	0.7368	0.5190	0.1502	0.8615
	corrected	baseline	logit regression	0.6298	0.6448	0.6169	0.6389	0.6420	0.6406
			classification tree	0.6189	0.5836	0.6569	0.6407	0.6430	0.6376

			tree-based random forest	0.6134	0.5516	0.6664	0.5972	0.4739	0.7132
			tree-based gradient boosting	**0.6587**	**0.5629**	**0.7416**	0.6353	0.5813	0.6871
			support vector machines	0.6153	0.5755	0.6498	0.6025	0.5296	0.6677
			neural network	0.5628	0.6866	0.4513	0.6172	0.7487	0.4971
		baseline and position	logit regression	0.6172	0.6073	0.6287	0.6135	0.6102	0.6171
			classification tree	0.6498	0.7256	0.5772	0.6480	0.5722	0.7065
			tree-based random forest	0.6098	0.5423	0.6692	0.6188	0.4685	0.7591
			tree-based gradient boosting	0.6262	0.5781	0.6710	0.6354	0.5795	0.6844
			support vector machines	0.6099	0.5818	0.6331	0.6261	0.5315	0.7093
			neural network	0.6008	0.7490	0.4617	0.6207	0.7158	0.5345
3000ms	uncorrected		logit regression	0.6045	0.6326	0.5737	0.6171	0.6358	0.6028
			classification tree	0.6079	0.3028	0.8725	0.5880	0.4175	0.7520
			tree-based random forest	0.5988	0.5057	0.6801	0.6061	0.3753	0.8127
			tree-based gradient boosting	0.6044	0.5495	0.6484	0.5716	0.4231	0.7127
			support vector machines	0.5681	0.5037	0.6225	0.5790	0.4964	0.6521
			neural network	0.5316	0.2061	0.8271	0.5190	0.1502	0.8615

	corrected	baseline	logit regression	0.6225	0.6315	0.6169	0.6389	0.6420	0.6406
			classification tree	0.6335	0.6244	0.6412	0.6407	0.6430	0.6376
			tree-based random forest	0.6007	0.5244	0.6606	0.5972	0.4739	0.7132
			tree-based gradient boosting	0.6498	0.5693	0.7340	0.6353	0.5813	0.6871
			support vector machines	0.6369	0.5595	0.7089	0.6025	0.5296	0.6677
			neural network	0.5683	0.7395	0.4146	0.6172	0.7487	0.4971
		baseline and position	logit regression	0.6081	0.5960	0.6211	0.6135	0.6102	0.6171
			classification tree	0.6498	0.7256	0.5772	0.6480	0.5722	0.7065
			tree-based random forest	0.6261	0.5657	0.6783	0.6188	0.4685	0.7591
			tree-based gradient boosting	0.6316	0.5963	0.6631	0.6354	0.5795	0.6844
			support vector machines	0.6152	0.5722	0.6516	0.6261	0.5315	0.7093
			neural network	0.6009	0.7654	0.4512	0.6207	0.7158	0.5345

Table S.2. Results for both full and response-time-only models for *Employee level* according to whether the measures were non-corrected, baseline-corrected, or baseline- and position-corrected, and the type of supervised learning model and hovers threshold.

hovers threshold	personalization		classification supervised learning	full model			response-time-only model		
				accuracy	specificity	sensitivity	accuracy	specificity	sensitivity
250ms	uncorrected		logit regression	0.5070	0.5420	0.4724	0.5250	0.5469	0.4969
			classification tree	0.5089	0.5108	0.5013	0.5449	0.4664	0.6085
			tree-based random forest	0.5247	0.4596	0.5857	0.5107	0.3772	0.6374
			tree-based gradient boosting	0.5508	0.4794	0.6102	0.5569	0.4420	0.6533
			support vector machines	0.5390	0.3611	0.7100	0.4913	0.2600	0.7227
			neural network	0.4931	0.2824	0.7185	0.5287	0.3347	0.7174
	corrected	baseline	logit regression	0.5210	0.5220	0.5173	0.5230	0.5077	0.5305
			classification tree	0.4849	0.4831	0.4937	0.5528	0.7168	0.3919
			tree-based random forest	0.5168	0.5053	0.5213	0.4949	0.4425	0.5449
			tree-based gradient boosting	0.5068	0.5190	0.4954	0.5170	0.4730	0.5589
			support vector machines	0.4951	0.2928	0.7073	0.4671	0.2972	0.6339
			neural network	0.5367	0.6401	0.4341	0.5329	0.5764	0.4767

		baseline and position	logit regression	0.5071	0.3359	0.7018	0.5230	0.5077	0.5305
			classification tree	0.5709	0.5275	0.6184	0.4412	0.3847	0.5295
			tree-based random forest	0.5790	0.5541	0.6000	0.4671	0.4674	0.4629
			tree-based gradient boosting	0.5829	0.5482	0.6196	0.4851	0.4767	0.4811
			support vector machines	0.5209	0.2045	0.8262	0.4932	0.3284	0.6659
			neural network	0.5350	0.6290	0.4317	0.5328	0.5498	0.5166
500ms	uncorrected		logit regression	0.5030	0.5343	0.4669	0.5250	0.5469	0.4969
			classification tree	0.5429	0.4895	0.5845	0.5449	0.4664	0.6085
			tree-based random forest	0.5406	0.4620	0.6150	0.5107	0.3772	0.6374
			tree-based gradient boosting	0.5308	0.4769	0.6072	0.5569	0.4420	0.6533
			support vector machines	0.5010	0.3336	0.6672	0.4913	0.2600	0.7227
			neural network	0.5251	0.3289	0.7364	0.5287	0.3347	0.7174
	corrected	baseline	logit regression	0.5228	0.5107	0.5335	0.5230	0.5077	0.5305
			classification tree	0.5169	0.5267	0.4923	0.5528	0.7168	0.3919

			tree-based random forest	0.5209	0.4888	0.5501	0.4949	0.4425	0.5449
			tree-based gradient boosting	0.4869	0.4896	0.4819	0.5170	0.4730	0.5589
			support vector machines	0.5031	0.2970	0.7159	0.4671	0.2972	0.6339
			neural network	0.5448	0.6398	0.4353	0.5329	0.5764	0.4767
		baseline and position	logit regression	0.5010	0.3318	0.6944	0.5230	0.5077	0.5305
			classification tree	0.5729	0.5780	0.5692	0.4412	0.3847	0.5295
			tree-based random forest	0.5749	0.5465	0.5951	0.4671	0.4674	0.4629
			tree-based gradient boosting	0.5649	0.5282	0.6041	0.4851	0.4767	0.4811
			support vector machines	0.4890	0.1900	0.7890	0.4932	0.3284	0.6659
			neural network	0.5091	0.5674	0.4564	0.5328	0.5498	0.5166
2000ms	uncorrected		logit regression	0.5250	0.5674	0.4947	0.5250	0.5469	0.4969
			classification tree	0.5089	0.4738	0.5299	0.5449	0.4664	0.6085
			tree-based random forest	0.5406	0.4800	0.5968	0.5107	0.3772	0.6374
			tree-based gradient boosting	0.5547	0.4683	0.6313	0.5569	0.4420	0.6533

			support vector machines	0.5131	0.3165	0.7139	0.4913	0.2600	0.7227
			neural network	0.5111	0.3076	0.7073	0.5287	0.3347	0.7174
	corrected	baseline	logit regression	0.5170	0.4827	0.5491	0.5230	0.5077	0.5305
			classification tree	0.5169	0.6152	0.4253	0.5528	0.7168	0.3919
			tree-based random forest	0.4989	0.4553	0.5354	0.4949	0.4425	0.5449
			tree-based gradient boosting	0.5209	0.5034	0.5395	0.5170	0.4730	0.5589
			support vector machines	0.4989	0.3401	0.6621	0.4671	0.2972	0.6339
			neural network	0.4931	0.2825	0.7185	0.5329	0.5764	0.4767
		baseline and position	logit regression	0.4871	0.3149	0.6833	0.5230	0.5077	0.5305
			classification tree	0.5729	0.5423	0.6059	0.4412	0.3847	0.5295
			tree-based random forest	0.5509	0.4957	0.5968	0.4671	0.4674	0.4629
			tree-based gradient boosting	0.5809	0.5134	0.6475	0.4851	0.4767	0.4811
			support vector machines	0.4970	0.2135	0.7736	0.4932	0.3284	0.6659
			neural network	0.5211	0.5725	0.4627	0.5328	0.5498	0.5166
3000ms	uncorrected		logit regression	0.4970	0.5394	0.4478	0.5250	0.5469	0.4969

			classification tree	0.5429	0.4577	0.6162	0.5449	0.4664	0.6085
			tree-based random forest	0.5347	0.4612	0.6039	0.5107	0.3772	0.6374
			tree-based gradient boosting	0.5548	0.4695	0.6303	0.5569	0.4420	0.6533
			support vector machines	0.5489	0.2248	0.8699	0.4913	0.2600	0.7227
			neural network	0.5191	0.2703	0.7615	0.5287	0.3347	0.7174
	corrected	baseline	logit regression	0.5269	0.5194	0.5319	0.5230	0.5077	0.5305
			classification tree	0.5107	0.4831	0.5622	0.5528	0.7168	0.3919
			tree-based random forest	0.5148	0.4730	0.5463	0.4949	0.4425	0.5449
			tree-based gradient boosting	0.5009	0.5011	0.5044	0.5170	0.4730	0.5589
			support vector machines	0.5047	0.2718	0.7332	0.4671	0.2972	0.6339
			neural network	0.5670	0.7015	0.4340	0.5329	0.5764	0.4767
		baseline and position	logit regression	0.4751	0.3062	0.6680	0.5230	0.5077	0.5305
			classification tree	0.5709	0.5275	0.6184	0.4412	0.3847	0.5295
			tree-based random forest	0.5748	0.5286	0.6078	0.4671	0.4674	0.4629

			tree-based gradient boosting	0.5909	0.5258	0.6527	0.4851	0.4767	0.4811
			support vector machines	0.5709	0.2823	0.8435	0.4932	0.3284	0.6659
			neural network	0.5190	0.6677	0.3780	0.5328	0.5498	0.5166

Table S.3. Results for both full and response-time-only models for *Education level* according to whether the measures were non-corrected, baseline-corrected, or baseline- and position-corrected, and the type of supervised learning model and hovers threshold.

hovers threshold	personalization		classification supervised learning	full model			response-time-only model		
				accuracy	specificity	sensitivity	accuracy	specificity	sensitivity
250ms	uncorrected		logit regression	0.5273	0.7110	0.3465	0.5074	0.5451	0.4835
			classification tree	0.5127	0.5775	0.4277	0.5477	0.6799	0.4041
			tree-based random forest	0.5526	0.5688	0.5261	0.4930	0.5132	0.4771
			tree-based gradient boosting	0.5273	0.5842	0.4633	0.5641	0.6502	0.4783
			support vector machines	0.5492	0.6039	0.4921	0.5128	0.5896	0.4725
			neural network	0.4907	0.6491	0.3315	0.4857	0.8727	0.1524
	corrected	baseline	logit regression	0.5257	0.6443	0.4258	0.4965	0.5819	0.4413
			classification tree	0.5092	0.6939	0.3454	0.5241	0.5806	0.4767
			tree-based random forest	0.5403	0.6340	0.4506	**0.5639**	**0.5489**	**0.5831**
			tree-based gradient boosting	0.5149	0.5685	0.4596	0.5551	0.5870	0.5277
			support vector machines	0.4762	0.4482	0.5612	0.4981	0.7166	0.3349
			neural network	0.5805	0.7053	0.4436	0.5514	0.6866	0.4033

		baseline and position	logit regression	0.4820	0.5666	0.4259	0.4946	0.6117	0.4095
			classification tree	0.5765	0.7013	0.4673	0.4397	0.5899	0.3335
			tree-based random forest	**0.5895**	**0.6233**	**0.5512**	0.4927	0.5154	0.4756
			tree-based gradient boosting	0.5748	0.6683	0.4851	0.4872	0.5282	0.4698
			support vector machines	0.4634	0.4145	0.5644	0.4580	0.6596	0.2999
			neural network	0.5222	0.5927	0.4249	0.4856	0.6451	0.3401
500ms	uncorrected		logit regression	0.5273	0.7110	0.3464	0.5074	0.5451	0.4835
			classification tree	0.5054	0.5658	0.4212	0.5477	0.6799	0.4041
			tree-based random forest	0.5545	0.5268	0.5753	0.4930	0.5132	0.4771
			tree-based gradient boosting	0.5255	0.5367	0.5085	0.5641	0.6502	0.4783
			support vector machines	0.5402	0.5799	0.5078	0.5128	0.5896	0.4725
			neural network	0.5181	0.6187	0.4495	0.4857	0.8727	0.1524
	corrected	baseline	logit regression	0.5129	0.6040	0.4385	0.4965	0.5819	0.4413
			classification tree	0.5020	0.6796	0.3467	0.5241	0.5806	0.4767

			tree-based random forest	0.5513	0.6397	0.4668	0.5639	0.5489	0.5831
			tree-based gradient boosting	0.5076	0.5482	0.4678	0.5551	0.5870	0.5277
			support vector machines	0.4874	0.6958	0.2997	0.4981	0.7166	0.3349
			neural network	0.5587	0.6877	0.4124	0.5514	0.6866	0.4033
		baseline and position	logit regression	0.5273	0.7110	0.3464	0.4946	0.6117	0.4095
			classification tree	0.5054	0.5658	0.4212	0.4397	0.5899	0.3335
			tree-based random forest	0.5545	0.5268	0.5753	0.4927	0.5154	0.4756
			tree-based gradient boosting	0.5729	0.6706	0.4893	0.4872	0.5282	0.4698
			support vector machines	0.4781	0.4266	0.5902	0.4580	0.6596	0.2999
			neural network	0.4819	0.5460	0.4312	0.4856	0.6451	0.3401
2000ms	uncorrected		logit regression	0.5219	0.7033	0.3433	0.5074	0.5451	0.4835
			classification tree	0.5109	0.5941	0.4116	0.5477	0.6799	0.4041
			tree-based random forest	0.5509	0.5327	0.5598	0.4930	0.5132	0.4771
			tree-based gradient boosting	0.5346	0.5753	0.4912	0.5641	0.6502	0.4783

			support vector machines	0.5622	0.6041	0.5204	0.5128	0.5896	0.4725
			neural network	0.4561	0.7634	0.2046	0.4857	0.8727	0.1524
	corrected	baseline	logit regression	0.5111	0.5959	0.4419	0.4965	0.5819	0.4413
			classification tree	0.5018	0.6434	0.3984	0.5241	0.5806	0.4767
			tree-based random forest	0.5184	0.6019	0.4407	0.5639	0.5489	0.5831
			tree-based gradient boosting	0.5148	0.5789	0.4560	0.5551	0.5870	0.5277
			support vector machines	0.5383	0.4023	0.6934	0.4981	0.7166	0.3349
			neural network	0.5332	0.6135	0.4264	0.5514	0.6866	0.4033
		baseline and position	logit regression	0.4838	0.5666	0.4288	0.4946	0.6117	0.4095
			classification tree	0.5765	0.7013	0.4673	0.4397	0.5899	0.3335
			tree-based random forest	0.5786	0.6178	0.5529	0.4927	0.5154	0.4756
			tree-based gradient boosting	0.5510	0.6152	0.5077	0.4872	0.5282	0.4698
			support vector machines	0.4891	0.4717	0.5551	0.4580	0.6596	0.2999
			neural network	0.4600	0.5636	0.3567	0.4856	0.6451	0.3401
3000ms	uncorrected		logit regression	0.5368	0.6390	0.4332	0.5074	0.5451	0.4835

			classification tree	0.5072	0.5477	0.4503	0.5477	0.6799	0.4041
			tree-based random forest	0.5637	0.6491	0.4682	0.4930	0.5132	0.4771
			tree-based gradient boosting	0.5419	0.5915	0.4919	0.5641	0.6502	0.4783
			support vector machines	0.5585	0.5480	0.5704	0.5128	0.5896	0.4725
			neural network	0.4616	0.5553	0.4645	0.4857	0.8727	0.1524
	corrected	baseline	logit regression	0.5075	0.6413	0.3907	0.4965	0.5819	0.4413
			classification tree	0.4821	0.5145	0.4824	0.5241	0.5806	0.4767
			tree-based random forest	0.5110	0.5790	0.4430	0.5639	0.5489	0.5831
			tree-based gradient boosting	0.5384	0.5842	0.5014	0.5551	0.5870	0.5277
			support vector machines	0.5111	0.4861	0.5566	0.4981	0.7166	0.3349
			neural network	0.5332	0.6862	0.3669	0.5514	0.6866	0.4033
		baseline and position	logit regression	0.4672	0.5688	0.3935	0.4946	0.6117	0.4095
			classification tree	0.5656	0.6895	0.4578	0.4397	0.5899	0.3335
			tree-based random forest	0.5623	0.6019	0.5261	0.4927	0.5154	0.4756

			tree-based gradient boosting	0.5694	0.6386	0.5185	0.4872	0.5282	0.4698
			support vector machines	0.5238	0.3277	0.7242	0.4580	0.6596	0.2999
			neural network	0.5058	0.6306	0.3746	0.4856	0.6451	0.3401