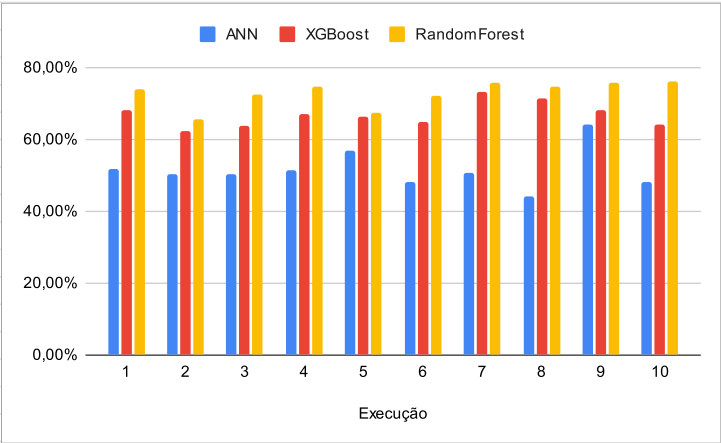
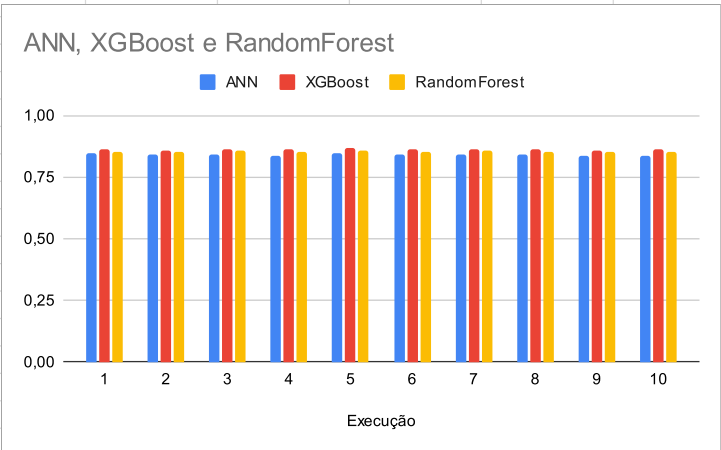


Execução	ANN	XGBoost	RandomForest
1	51,55%	68,20%	73,74%
2	50,23%	62,32%	65,52%
3	50,34%	63,57%	72,53%
4	51,22%	66,96%	74,51%
5	56,67%	66,28%	67,44%
6	48,19%	64,75%	71,99%
7	50,73%	73,23%	75,69%
8	44,15%	71,37%	74,70%
9	63,91%	68,23%	75,75%
10	48,11%	63,99%	76,09%
Média	51,51%	66,89%	72,80%
p-value	ANN x XGB	3,21E-05	
p-value	ANN x RF	3,03E-06	
p-value	XGB x RF	3,74E-04	



Conj. Teste 2

Execução	ANN	XGBoost	RandomForest
1	0,848	0,862	0,852
2	0,842	0,859	0,851
3	0,842	0,864	0,859
4	0,837	0,863	0,85
5	0,847	0,866	0,858
6	0,84	0,862	0,854
7	0,842	0,863	0,856
8	0,84	0,86	0,851
9	0,835	0,857	0,852
10	0,836	0,863	0,853
Média	0,8409	0,8619	0,8536
p-value	ANN x XGB	3,40E-08	
p-value	ANN x RF	4,59E-06	
p-value	XGB x RF	1,73E-06	



Conj. Teste

Execução	ANN	XGBoost	RandomForest
1	0,84	0,858	0,849
2	0,838	0,851	0,848
3	0,838	0,862	0,852
4	0,849	0,865	0,859
5	0,841	0,861	0,845
6	0,848	0,857	0,851
7	0,835	0,856	0,85
8	0,851	0,865	0,859
9	0,838	0,855	0,849
10	0,836	0,861	0,856
Média	0,8414	0,8591	0,8518
p-value	ANN x XGB	1,37E-06	
p-value	ANN x RF	1,11E-04	
p-value	XGB x RF	1,29E-04	

		Global	Masculino	Feminino	Desv. Padrão médio
RF	teste 2	0,8536	0,849	0,8526	6,22E-03
	Agreement	0,8847	0,8833	0,8841	6,36E-03
	p-value	9,11E-07	1,84E-05	2,33E-08	9,57E-01
	Disagreement	0,6697	0,647	0,675	2,52E-02
	p-value	1,03E-09	0,00E+00	1,42E-08	8,30E-03
XGB	teste 2	0,8619	0,8575	0,861	5,30E-03
	Agreement	0,8768	0,8733	0,8788	9,69E-03
	p-value	7,09E-03	2,17E-02	9,95E-04	8,72E-02
	Disagreement	0,7128	0,6928	0,7207	2,50E-02
	p-value	2,82E-06	1,39E-06	7,38E-06	5,43E-03
ANN	teste 2	0,8409	0,8424	0,8356	4,81E-03
	Agreement	0,7171	0,7218	0,7112	1,27E-02
	p-value	6,52E-04	1,28E-03	4,82E-04	2,49E-02
	Disagreement	0,7858	0,7869	0,7845	1,26E-02
	p-value	1,13E-04	6,86E-04	2,61E-04	4,21E-03

		Conjunto	White	Mixed	Black	Pndc	Indigenous	Yellow	Desv.Padrão Médio
RF	teste 2	0,8536	0,8563	0,8222	0,8503	0,8678	0,8853333333	0,7665	7,76E-02
	Agreement	0,8847	0,8891	0,8506	0,8717	0,8951	0,83325	0,7558	1,06E-01
	p-value	9,11E-07	7,65E-08	1,42E-03	1,19E-02	1,34E-02	#N/A	8,35E-01	1,00E-01
	Disagreement	0,6697	0,6693	0,6483	0,668	0,667	0,6666666667	0,8755	1,51E-01
	p-value	1,03E-09	1,17E-09	1,45E-07	6,83E-06	9,55E-04	#N/A	2,77E-02	3,31E-02
XGB	teste 2	0,8619	0,8655	0,8306	0,8564	0,866	0,8541666667	0,7663	7,83E-02
	Agreement	0,8768	0,8821	0,8409	0,8633	0,8862	0,8125	0,7556	1,09E-01
	p-value	7,09E-03	3,82E-03	3,37E-01	3,05E-01	2,76E-02	#N/A	8,88E-01	2,88E-01
	Disagreement	0,7128	0,7124	0,7101	0,7115	0,6759	0,8333333333	0,7437	1,24E-01
	p-value	2,82E-06	3,71E-06	1,74E-07	8,87E-04	1,82E-04	#N/A	7,38E-01	4,73E-02
ANN	teste 2	0,8409	0,8466	0,7993	0,8337	0,8376	0,8471666667	0,7081	8,20E-02
	Agreement	0,7171	0,721	0,6862	0,688	0,7429	0,8	0,6852222222	1,29E-01
	p-value	6,52E-04	5,88E-04	3,08E-03	1,13E-03	1,31E-02	#N/A	#N/A	1,36E-01
	Disagreement	0,7858	0,7928	0,749	0,7868	0,7913	0,6665	0,592875	1,35E-01
	p-value	1,13E-04	2,52E-04	2,19E-03	1,90E-02	3,75E-02	#N/A	#N/A	5,47E-03

		Conjunto	AC	L01	L02	L05	L06	Desv. Padrão médio
RF	teste 2	0,8536	0,8588	0,839	0,8351	0,8455	0,8449	1,92E-02
	Agreement	0,8847	0,8878	0,8738	0,8587	0,8825	0,8698	2,04E-02
	p-value	9,11E-07	1,03E-04	7,91E-07	1,46E-02	3,12E-05	4,21E-04	6,15E-01
	Disagreement	0,6697	0,6724	0,6742	0,6825	0,6478	0,6575	5,00E-02
	p-value	1,03E-09	0,00E+00	2,55E-06	4,30E-07	7,11E-06	9,24E-06	5,41E-04
XGB	teste 2	0,8619	0,8664	0,8485	0,8448	0,8579	0,8481	1,65E-02
	Agreement	0,8768	0,8813	0,8635	0,8481	0,8767	0,8509	2,79E-02
	p-value	7,09E-03	9,07E-03	1,86E-02	8,11E-01	4,83E-02	7,80E-01	2,44E-02
	Disagreement	0,7128	0,7107	0,7215	0,7131	0,7014	0,713	3,60E-02
	p-value	2,82E-06	5,37E-06	3,06E-06	8,62E-04	1,53E-06	2,03E-05	1,07E-02
ANN	teste 2	0,8409	0,8477	0,8178	0,8142	0,8452	0,8205	2,25E-02
	Agreement	0,7171	0,7181	0,7149	0,6912	0,7341	0,697	3,03E-02
	p-value	6,52E-04	4,47E-04	2,20E-03	2,14E-03	1,80E-03	9,09E-04	4,84E-02
	Disagreement	0,7858	0,7935	0,7594	0,7651	0,7806	0,7555	3,62E-02
	p-value	1,13E-04	2,83E-05	6,46E-03	1,09E-02	2,93E-03	5,43E-02	7,15E-02

		Global	Não	Sim	Desv. Padrão médio
RF	teste 2	0,8536	0,8616	0,85	1,12E-02
	Agreement	0,8847	0,8941	0,8804	1,18E-02
	p-value	9,11E-07	5,85E-06	1,10E-06	7,68E-01
	Disagreement	0,6697	0,6944	0,6596	3,18E-02
	p-value	1,03E-09	2,01E-08	5,56E-09	2,15E-03
XGB	teste 2	0,8619	0,8694	0,8586	8,91E-03
	Agreement	0,8768	0,8925	0,8679	1,84E-02
	p-value	7,09E-03	2,14E-03	7,01E-02	1,03E-02
	Disagreement	0,7128	0,7204	0,7076	1,99E-02
	p-value	2,82E-06	9,08E-08	9,22E-06	2,35E-02
ANN	teste 2	0,8409	0,8499	0,837	1,15E-02
	Agreement	0,7171	0,7243	0,7129	1,90E-02
	p-value	6,52E-04	4,35E-04	7,68E-04	6,83E-02
	Disagreement	0,7858	0,7894	0,7848	1,46E-02
	p-value	1,13E-04	1,18E-04	3,47E-04	1,80E-01

Técnica		Desempenho	Sexo	Raça	Cota	Escola pública	% Agrmt
RF	Agreement	Superior	=	=	=	=	72,80%
	Disagreement	Inferior	↓	↓	↓	↓	
XGB	Agreement	Superior	=	=	↓	↓	66,89%
	Disagreement	Inferior	↓	↓	↓	↓	
ANN	Agreement	Inferior	↓	=	↓	=	51,51%
	Disagreement	Inferior	↓	↓	=	=	