Dependent Variable:	ln1p_cited_by_count								
	All Fields			Molecular Biology			Medicine		
	All PDB	High PDB	CEM	All PDB	High PDB	CEM	All PDB	High PDB	CEM
AlphaFold	0.132***	0.176***	0.141***	0.097***	0.206***	0.141***	0.215***	0.108*	0.141***
	(0.020)	(0.037)	(0.017)	(0.025)	(0.043)	(0.017)	(0.026)	(0.062)	(0.017)
Counterfactual AI	0.060**	0.036	0.061**	0.073*	0.023	0.061**	0.081**	-0.126	0.061**
	(0.023)	(0.040)	(0.023)	(0.036)	(0.053)	(0.023)	(0.033)	(0.080)	(0.023)
Counterfactual No AI	0.166***	0.165***	0.173***	0.059**	0.142***	0.173***	0.198***	0.127	0.173***
	(0.035)	(0.048)	(0.033)	(0.023)	(0.051)	(0.033)	(0.047)	(0.082)	(0.033)
AlphaFold - Method	0.006	-0.027**	0.015	0.021*	-0.003	0.015	-0.007	-0.030**	0.015
	(0.013)	(0.011)	(0.014)	(0.011)	(0.021)	(0.014)	(0.013)	(0.012)	(0.014)
Counterfactual AI - Method	-0.017	0.033	0.012	-0.014	0.057	0.012	0.024	0.125	0.012
	(0.020)	(0.051)	(0.021)	(0.030)	(0.077)	(0.021)	(0.037)	(0.121)	(0.021)
Counterfactual No AI - Method	0.028	-0.010	0.035*	-0.009	-0.001	0.035*	0.013	-0.029	0.035*
	(0.017)	(0.021)	(0.018)	(0.026)	(0.027)	(0.018)	(0.017)	(0.018)	(0.018)
field_agricultural_and_biological_sciences	13.3***	12.5***	13.6***	15.4***	17.1***	13.6***	21.2***	18.6*	13.6***
	(1.61)	(3.17)	(1.84)	(1.60)	(3.61)	(1.84)	(2.73)	(9.68)	(1.84)
field_arts_and_humanities	1.11	19.2	1.74	29.8	69.4	1.74	-0.505	-37.8	1.74
	(2.27)	(15.2)	(2.56)	(17.9)	(58.8)	(2.56)	(18.6)	(79.6)	(2.56)
field_biochemistry_genetics_and_molecular_biology	7.56***	7.97***	7.39***	7.01***	6.72***	7.39***	3.91*	10.6***	7.39***
	(2.13)	(1.72)	(2.04)	(1.44)	(1.42)	(2.04)	(1.95)	(3.03)	(2.04)
field_business_management_and_accounting	10.7	32.3**	5.91	20.3*	16.7	5.91	13.2	147.5	5.91
	(6.46)	(15.5)	(7.51)	(11.2)	(34.8)	(7.51)	(10.9)	(112.9)	(7.51)
field_chemical_engineering	25.8***	51.2**	26.9***	31.4**	65.6***	26.9***	18.1	124.5*	26.9***
	(5.74)	(19.9)	(6.13)	(12.0)	(22.3)	(6.13)	(21.1)	(67.4)	(6.13)
field_chemistry	12.3***	10.6***	14.0***	11.8***	12.1***	14.0***	10.7***	8.16	14.0***
	(1.25)	(2.66)	(1.28)	(1.76)	(3.80)	(1.28)	(3.10)	(8.39)	(1.28)
field_computer_science	11.8***	10.0*	13.9***	8.58***	-2.44	13.9***	3.76	17.0	13.9***
	(1.94)	(5.90)	(1.88)	(3.11)	(7.97)	(1.88)	(7.18)	(13.7)	(1.88)
field_decision_sciences	-1.50	-14.8	-4.71*	4.33	5.36	-4.71*	13.3	-40.0	-4.71*
	(3.98)	(20.4)	(2.78)	(11.5)	(30.4)	(2.78)	(19.0)	(95.4)	(2.78)
field_dentistry	19.0***	56.2***	19.0***	23.6***	57.0***	19.0***	32.2***	51.5	19.0***
	(3.79)	(10.5)	(3.95)	(7.50)	(20.5)	(3.95)	(7.20)	(40.6)	(3.95)
field_earth_and_planetary_sciences	-5.07***	-8.65**	-5.69***	5.30	16.1	-5.69***	-16.5	-39.8	-5.69***
	(1.74)	(3.18)	(1.74)	(6.25)	(17.3)	(1.74)	(30.7)	(40.9)	(1.74)
field_economics_econometrics_and_finance	11.9***	19.3	15.5***	-6.28	-33.6	15.5***	9.74*	9.18	15.5***
	(3.20)	(22.6)	(3.37)	(11.3)	(32.0)	(3.37)	(5.76)	(30.5)	(3.37)
field_energy	25.2***	12.3**	23.5***	25.2***	18.3*	23.5***	49.5***	-46.3	23.5***
	(3.10)	(5.09)	(2.93)	(5.24)	(9.38)	(2.93)	(15.0)	(43.0)	(2.93)
field_engineering	17.9***	8.81**	17.6***	17.0***	14.9***	17.6***	22.3***	5.14	17.6***
	(1.59)	(3.92)	(1.67)	(1.65)	(4.33)	(1.67)	(3.64)	(10.7)	(1.67)
field_environmental_science	14.1***	10.2**	14.2***	14.4***	14.1**	14.2***	17.7***	7.90	14.2***
	(1.02)	(3.76)	(1.18)	(2.17)	(5.18)	(1.18)	(4.62)	(10.5)	(1.18)
field_health_professions	4.38	-2.32	2.70	9.51	28.2	2.70	4.47	-17.0	2.70
	(2.75)	(17.5)	(2.98)	(7.41)	(22.1)	(2.98)	(4.62)	(21.9)	(2.98)
field_immunology_and_microbiology	9.69***	8.96***	10.4***	14.9***	13.2***	10.4***	7.15**	13.0**	10.4***
	(2.60)	(2.72)	(2.33)	(1.71)	(3.75)	(2.33)	(2.95)	(5.42)	(2.33)
field_materials_science	9.45***	2.09	8.32***	17.1***	4.16	8.32***	15.5***	17.4	8.32***
	(1.72)	(1.49)	(1.81)	(2.35)	(4.12)	(1.81)	(3.70)	(10.3)	(1.81)
field_mathematics	46.4***	82.3***	46.5***	11.8	70.7**	46.5***	50.3***	60.7**	46.5***
	(5.79)	(17.1)	(6.36)	(11.8)	(26.5)	(6.36)	(6.43)	(26.4)	(6.36)
field_medicine	10.6***	11.8***	10.9***	7.85***	9.53***	10.9***	11.2***	9.07***	10.9***
	(2.10)	(2.05)	(2.05)	(1.47)	(2.48)	(2.05)	(0.941)	(2.15)	(2.05)
field_neuroscience	13.3***	17.7***	13.6***	12.9***	23.3***	13.6***	18.5***	11.6	13.6***
	(1.27)	(3.64)	(1.21)	(1.60)	(4.58)	(1.21)	(2.39)	(8.74)	(1.21)
field_nursing	14.3***	11.3*	13.3***	9.71**	8.25	13.3***	15.0***	23.3	13.3***
	(1.71)	(5.96)	(1.87)	(3.92)	(9.35)	(1.87)	(4.36)	(21.4)	(1.87)
field_pharmacology_toxicology_and_pharmaceutics	9.68***	6.28	9.19***	10.4**	7.78	9.19***	5.25	0.780	9.19***
	(2.70)	(5.67)	(3.20)	(5.05)	(7.10)	(3.20)	(5.35)	(15.8)	(3.20)
field_physics_and_astronomy	5.74***	11.3**	5.87***	8.12	14.2	5.87***	-4.48	44.4**	5.87***
	(1.36)	(4.58)	(1.36)	(5.09)	(10.9)	(1.36)	(7.66)	(21.3)	(1.36)
field_psychology	21.6***	-1.56	22.9***	18.3***	2.04	22.9***	23.8***	34.2	22.9***
	(3.80)	(13.9)	(3.56)	(6.08)	(23.5)	(3.56)	(4.41)	(32.6)	(3.56)
field_social_sciences	14.0***	16.0	14.8***	5.35	19.3	14.8***	10.2	58.1	14.8***
	(2.62)	(12.0)	(2.79)	(4.90)	(12.4)	(2.79)	(6.71)	(36.7)	(2.79)
field_veterinary	5.11	-7.06	4.53	-15.4	-21.5	4.53	5.83	-36.8	4.53
	(3.68)	(13.7)	(3.64)	(11.3)	(36.0)	(3.64)	(7.30)	(23.3)	(3.64)
mesh_	59.7***	118.8***	70.3***	59.4***	54.7	70.3***	79.8***	182.6***	70.3***
	(9.27)	(34.3)	(9.34)	(14.9)	(47.3)	(9.34)	(21.2)	(62.6)	(9.34)
mesh_A	9.34***	15.2***	9.15***	12.2***	18.1***	9.15***	10.8***	16.4***	9.15***
	(0.757)	(2.77)	(0.809)	(1.08)	(3.59)	(0.809)	(1.77)	(3.82)	(0.809)
mesh_B	8.93***	12.0***	8.74***	11.2***	7.85**	8.74***	19.0***	20.1***	8.74***
	(0.755)	(2.10)	(0.729)	(1.22)	(2.97)	(0.729)	(2.42)	(5.48)	(0.729)
mesh_C	10.9***	18.9***	11.1***	11.3***	15.3***	11.1***	10.6***	25.1***	11.1***
	(1.10)	(2.78)	(1.10)	(1.18)	(2.91)	(1.10)	(1.25)	(6.44)	(1.10)
mesh_D	3.49***	5.66***	3.72***	2.80***	5.65***	3.72***	6.57***	6.81***	3.72***
	(0.383)	(0.810)	(0.438)	(0.499)	(1.04)	(0.438)	(0.614)	(1.85)	(0.438)
mesh_E	3.60***	9.38***	3.83***	3.53**	7.35*	3.83***	4.62**	16.3*	3.83***
	(0.901)	(2.94)	(0.940)	(1.47)	(3.80)	(0.940)	(1.74)	(8.21)	(0.940)
mesh_F	8.71***	0.230	8.45***	11.0***	10.1	8.45***	15.0***	12.5	8.45***
	(1.81)	(7.93)	(2.01)	(2.95)	(10.2)	(2.01)	(3.37)	(13.1)	(2.01)
mesh_G	9.80***	7.77***	9.28***	11.0***	8.12***	9.28***	14.0***	6.53	9.28***
	(0.718)	(1.97)	(0.713)	(0.905)	(2.25)	(0.713)	(1.69)	(5.18)	(0.713)
mesh_H	18.7***	36.6***	15.4***	20.1***	43.8***	15.4***	27.1***	41.8	15.4***
	(2.63)	(9.81)	(2.61)	(5.19)	(15.2)	(2.61)	(9.83)	(47.9)	(2.61)
mesh_I	-0.519	23.3	-1.87	5.66	74.5	-1.87	-0.795	-12.6	-1.87
	(5.08)	(49.3)	(4.70)	(8.12)	(66.2)	(4.70)	(11.4)	(82.7)	(4.70)
mesh_J	4.42***	23.5***	4.88***	7.45***	23.3***	4.88***	14.7***	-18.3	4.88***
	(1.17)	(4.74)	(1.41)	(2.13)	(5.99)	(1.41)	(4.70)	(20.7)	(1.41)
mesh_K	-12.3*	13.4	-31.2**	10.7	69.0	-31.2**	-77.4**	-345.3**	-31.2**
	(7.06)	(47.5)	(15.1)	(25.4)	(59.9)	(15.1)	(35.9)	(161.3)	(15.1)
mesh_L	14.4***	27.0***	13.2***	16.6***	27.7***	13.2***	21.4***	-11.0	13.2***
	(1.36)	(5.84)	(1.51)	(2.50)	(7.55)	(1.51)	(4.57)	(18.4)	(1.51)
mesh_M	12.5***	33.9***	12.4***	13.9***	1.65	12.4***	15.8***	46.2***	12.4***
	(1.93)	(8.85)	(1.77)	(3.64)	(11.9)	(1.77)	(2.65)	(15.9)	(1.77)
mesh_N	12.5***	28.2***	12.1***	19.0***	24.6**	12.1***	19.7***	32.0*	12.1***
	(0.983)	(7.22)	(1.04)	(2.88)	(9.33)	(1.04)	(2.62)	(17.1)	(1.04)
mesh_Z	0.354	-24.3	-0.085	-4.08	22.5	-0.085	-8.47*	-34.9	-0.085
	(2.73)	(18.4)	(2.98)	(8.06)	(23.2)	(2.98)	(4.92)	(35.4)	(2.98)
mesh_n	6.15*	-10.1	5.79*	9.69*	16.7	5.79*	9.20*	-28.6	5.79*
	(3.13)	(11.0)	(2.89)	(4.89)	(14.4)	(2.89)	(5.32)	(22.8)	(2.89)
AlphaFold × Counterfactual AI	0.019	-0.055	0.010	0.019	-0.063	0.010	-0.078	-0.083	0.010
	(0.032)	(0.120)	(0.041)	(0.073)	(0.139)	(0.041)	(0.058)	(0.183)	(0.041)
AlphaFold × Counterfactual No AI	0.027	0.073	0.016	0.032	0.007	0.016	-0.025	0.121	0.016
	(0.056)	(0.087)	(0.059)	(0.052)	(0.109)	(0.059)	(0.061)	(0.106)	(0.059)
AlphaFold - Method × Counterfactual AI - Method	-0.009	-0.022	-0.048	-0.045	-0.109***	-0.048	0.003	0.019	-0.048
	(0.031)	(0.041)	(0.046)	(0.056)	(0.039)	(0.046)	(0.046)	(0.052)	(0.046)
AlphaFold - Method × Counterfactual No AI - Method	-0.003**	0.0002	-0.009**	-0.0009	-0.0007	-0.009**	-0.003*	0.0010	-0.009**
	(0.002)	(0.001)	(0.004)	(0.001)	(0.002)	(0.004)	(0.002)	(0.003)	(0.004)
Fixed-effects									
pi_id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
quarter_year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_cited_by_count	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Dependent Variable:	ln1p_cit_0								
	All Fields			Molecular Biology			Medicine		
	All PDB	High PDB	CEM	All PDB	High PDB	CEM	All PDB	High PDB	CEM
AlphaFold	0.136***	0.197***	0.127***	0.070**	0.178***	0.127***	0.225***	0.168**	0.127***
	(0.028)	(0.047)	(0.026)	(0.026)	(0.052)	(0.026)	(0.049)	(0.079)	(0.026)
Counterfactual AI	0.083***	0.068	0.082***	0.087**	0.066*	0.082***	0.157***	-0.086	0.082***
	(0.026)	(0.043)	(0.023)	(0.035)	(0.038)	(0.023)	(0.044)	(0.106)	(0.023)
Counterfactual No AI	0.209***	0.279***	0.207***	0.090***	0.156*	0.207***	0.269***	0.239*	0.207***
	(0.064)	(0.100)	(0.057)	(0.032)	(0.077)	(0.057)	(0.082)	(0.138)	(0.057)
AlphaFold - Method	-0.014	-0.028*	-0.006	0.024*	0.018	-0.006	-0.031	-0.035**	-0.006
	(0.018)	(0.016)	(0.018)	(0.013)	(0.023)	(0.018)	(0.019)	(0.016)	(0.018)
Counterfactual AI - Method	-0.011	0.052	0.004	-0.009	0.040	0.004	-0.003	0.169	0.004
	(0.021)	(0.047)	(0.024)	(0.028)	(0.069)	(0.024)	(0.043)	(0.122)	(0.024)
Counterfactual No AI - Method	0.034	0.022	0.037	0.015	-0.014	0.037	0.014	0.004	0.037
	(0.024)	(0.026)	(0.024)	(0.019)	(0.020)	(0.024)	(0.020)	(0.021)	(0.024)
field_agricultural_and_biological_sciences	9.76***	10.5***	9.83***	10.8***	12.9***	9.83***	19.0***	18.8**	9.83***
	(1.39)	(2.76)	(1.53)	(1.64)	(3.68)	(1.53)	(2.86)	(9.19)	(1.53)
field_arts_and_humanities	2.91	15.2	3.50	35.8***	99.8**	3.50	-2.75	-11.7	3.50
	(2.67)	(10.4)	(2.99)	(12.6)	(43.7)	(2.99)	(17.2)	(49.8)	(2.99)
field_biochemistry_genetics_and_molecular_biology	5.24***	5.62***	5.11***	5.09***	5.13***	5.11***	0.136	3.09	5.11***
	(1.45)	(1.34)	(1.35)	(1.01)	(1.09)	(1.35)	(1.18)	(3.59)	(1.35)
field_business_management_and_accounting	4.98	31.1	2.16	5.69	16.5	2.16	2.65	91.5	2.16
	(5.40)	(22.2)	(6.21)	(13.0)	(39.2)	(6.21)	(8.30)	(113.5)	(6.21)
field_chemical_engineering	18.6***	20.6	18.8***	14.1	24.5	18.8***	2.77	-78.7	18.8***
	(4.11)	(15.1)	(4.30)	(8.75)	(23.7)	(4.30)	(22.6)	(87.4)	(4.30)
field_chemistry	8.62***	8.95***	9.97***	6.83***	8.83***	9.97***	3.92	7.70	9.97***
	(0.977)	(2.29)	(1.06)	(1.37)	(2.69)	(1.06)	(3.21)	(7.09)	(1.06)
field_computer_science	9.89***	7.02	11.4***	7.16**	-2.37	11.4***	6.16	9.41	11.4***
	(1.66)	(6.43)	(1.67)	(2.96)	(7.36)	(1.67)	(6.09)	(13.4)	(1.67)
field_decision_sciences	2.13	-11.6	0.052	-1.77	0.468	0.052	-0.107	46.2	0.052
	(2.17)	(21.0)	(1.95)	(7.08)	(34.9)	(1.95)	(17.1)	(44.8)	(1.95)
field_dentistry	8.09**	24.1***	7.80**	-2.31	27.7	7.80**	15.8**	7.92	7.80**
	(3.37)	(7.57)	(3.78)	(7.55)	(17.9)	(3.78)	(7.29)	(25.7)	(3.78)
field_earth_and_planetary_sciences	-3.32**	-4.52	-3.31**	9.03	15.1	-3.31**	-31.5	-70.2*	-3.31**
	(1.53)	(3.19)	(1.51)	(6.06)	(19.3)	(1.51)	(25.2)	(40.7)	(1.51)
field_economics_econometrics_and_finance	14.2***	35.5*	16.6***	3.61	50.1	16.6***	9.33*	18.8	16.6***
	(3.23)	(19.3)	(3.32)	(10.3)	(47.3)	(3.32)	(4.66)	(35.2)	(3.32)
field_energy	19.7***	3.34	18.7***	14.0***	5.27	18.7***	30.1*	-47.7	18.7***
	(2.93)	(4.73)	(2.86)	(4.44)	(9.34)	(2.86)	(17.3)	(33.6)	(2.86)
field_engineering	12.1***	4.78*	11.7***	9.37***	6.76*	11.7***	13.0***	-3.74	11.7***
	(1.14)	(2.73)	(1.23)	(1.61)	(3.81)	(1.23)	(2.73)	(12.9)	(1.23)
field_environmental_science	9.54***	4.35	9.33***	10.1***	10.2**	9.33***	7.81**	-6.62	9.33***
	(0.986)	(3.10)	(1.14)	(1.84)	(3.92)	(1.14)	(3.77)	(11.4)	(1.14)
field_health_professions	3.22	-10.6	2.70	5.82	21.9	2.70	-1.38	-39.2**	2.70
	(2.25)	(15.5)	(2.40)	(6.60)	(21.1)	(2.40)	(3.94)	(17.6)	(2.40)
field_immunology_and_microbiology	4.76***	6.20**	5.10***	8.44***	10.1***	5.10***	1.66	7.45	5.10***
	(1.68)	(2.50)	(1.46)	(1.18)	(3.16)	(1.46)	(2.08)	(4.47)	(1.46)
field_materials_science	7.43***	1.72	6.70***	10.4***	3.17	6.70***	10.6**	7.52	6.70***
	(1.12)	(1.27)	(1.24)	(2.04)	(3.01)	(1.24)	(4.06)	(10.7)	(1.24)
field_mathematics	63.3***	96.9***	64.1***	13.4	70.7**	64.1***	70.2***	76.0**	64.1***
	(9.45)	(22.9)	(9.37)	(9.30)	(27.2)	(9.37)	(10.7)	(33.2)	(9.37)
field_medicine	8.87***	12.1***	8.86***	4.50***	5.80***	8.86***	8.15***	8.19***	8.86***
	(1.71)	(2.30)	(1.65)	(1.02)	(2.03)	(1.65)	(0.845)	(2.68)	(1.65)
field_neuroscience	8.08***	12.6***	8.30***	9.38***	17.9***	8.30***	8.62***	-7.23	8.30***
	(1.09)	(3.38)	(0.989)	(1.43)	(3.98)	(0.989)	(2.50)	(10.0)	(0.989)
field_nursing	8.05***	4.16	7.88***	3.66	7.41	7.88***	4.08	-3.01	7.88***
	(1.67)	(5.46)	(1.78)	(3.51)	(7.58)	(1.78)	(4.32)	(23.5)	(1.78)
field_pharmacology_toxicology_and_pharmaceutics	5.76***	4.64	5.71**	5.39	5.99	5.71**	-0.601	9.23	5.71**
	(2.04)	(3.99)	(2.48)	(4.73)	(5.80)	(2.48)	(4.97)	(16.6)	(2.48)
field_physics_and_astronomy	5.12***	8.13**	5.31***	8.61**	14.3**	5.31***	-3.35	14.7	5.31***
	(1.14)	(3.30)	(1.12)	(4.04)	(6.36)	(1.12)	(5.10)	(24.4)	(1.12)
field_psychology	15.7***	-16.6	15.0***	11.4	-13.0	15.0***	16.7***	12.6	15.0***
	(3.51)	(11.8)	(3.21)	(7.23)	(19.1)	(3.21)	(5.24)	(34.1)	(3.21)
field_social_sciences	13.0***	16.4	13.3***	0.617	7.59	13.3***	12.1	42.3	13.3***
	(2.89)	(10.2)	(3.01)	(4.80)	(12.4)	(3.01)	(7.39)	(35.8)	(3.01)
field_veterinary	-6.11*	1.12	-7.88***	-8.08	1.27	-7.88***	-18.2***	-26.6	-7.88***
	(3.09)	(11.5)	(2.78)	(8.58)	(31.5)	(2.78)	(6.19)	(29.0)	(2.78)
mesh_	55.9***	121.9***	65.3***	52.2***	36.3	65.3***	67.5***	187.0**	65.3***
	(8.84)	(33.5)	(11.1)	(12.1)	(40.4)	(11.1)	(18.0)	(76.3)	(11.1)
mesh_A	4.36***	7.69***	4.09***	6.65***	10.7***	4.09***	3.88**	7.07	4.09***
	(0.668)	(2.21)	(0.699)	(0.922)	(2.91)	(0.699)	(1.51)	(4.36)	(0.699)
mesh_B	7.04***	9.30***	6.88***	7.70***	6.13**	6.88***	17.0***	16.3***	6.88***
	(0.666)	(2.13)	(0.656)	(1.03)	(2.62)	(0.656)	(2.10)	(5.62)	(0.656)
mesh_C	6.69***	9.40***	6.59***	5.27***	7.05**	6.59***	7.34***	18.5**	6.59***
	(1.30)	(3.16)	(1.27)	(1.04)	(2.79)	(1.27)	(1.58)	(7.35)	(1.27)
mesh_D	2.19***	3.86***	2.34***	1.54***	3.42***	2.34***	4.40***	4.98***	2.34***
	(0.341)	(0.602)	(0.371)	(0.400)	(0.718)	(0.371)	(0.582)	(1.82)	(0.371)
mesh_E	2.76***	7.44***	2.80***	4.02***	8.69***	2.80***	2.30	11.7	2.80***
	(0.597)	(2.42)	(0.593)	(1.05)	(2.59)	(0.593)	(1.45)	(7.77)	(0.593)
mesh_F	1.91	-5.72	1.31	3.77	1.62	1.31	4.45*	7.76	1.31
	(1.22)	(7.62)	(1.20)	(2.28)	(7.01)	(1.20)	(2.40)	(15.8)	(1.20)
mesh_G	6.58***	5.16***	5.96***	7.41***	4.71***	5.96***	9.66***	8.58*	5.96***
	(0.703)	(1.66)	(0.707)	(0.828)	(1.67)	(0.707)	(1.53)	(4.50)	(0.707)
mesh_H	14.6***	28.8***	11.7***	17.6***	35.6***	11.7***	23.3***	42.7	11.7***
	(2.22)	(6.70)	(2.35)	(3.95)	(9.89)	(2.35)	(7.91)	(41.4)	(2.35)
mesh_I	-1.48	22.8	-2.77	-3.49	88.7*	-2.77	-2.05	12.2	-2.77
	(3.02)	(50.2)	(2.44)	(8.41)	(52.4)	(2.44)	(9.24)	(74.1)	(2.44)
mesh_J	1.19	12.1**	1.35	3.07*	14.4**	1.35	2.14	-8.29	1.35
	(0.742)	(4.92)	(0.865)	(1.57)	(5.67)	(0.865)	(3.78)	(21.6)	(0.865)
mesh_K	2.77	-17.6	-10.3	-3.96	0.776	-10.3	-15.7	-167.0	-10.3
	(4.81)	(42.8)	(10.5)	(17.5)	(50.9)	(10.5)	(24.9)	(215.6)	(10.5)
mesh_L	9.55***	16.7***	8.78***	9.85***	18.2***	8.78***	15.2***	-13.7	8.78***
	(1.01)	(4.75)	(1.13)	(1.54)	(5.69)	(1.13)	(3.77)	(16.1)	(1.13)
mesh_M	8.30***	29.8***	7.27***	5.78*	-3.20	7.27***	12.0***	31.9**	7.27***
	(1.65)	(9.89)	(1.64)	(3.02)	(11.1)	(1.64)	(1.94)	(12.2)	(1.64)
mesh_N	8.14***	27.7***	7.79***	13.0***	26.4**	7.79***	13.7***	38.9***	7.79***
	(1.01)	(8.09)	(0.977)	(2.29)	(10.4)	(0.977)	(2.35)	(13.8)	(0.977)
mesh_Z	3.15	-14.0	2.80	-3.44	-5.41	2.80	-3.56	-11.0	2.80
	(1.98)	(21.3)	(2.00)	(6.54)	(25.0)	(2.00)	(4.54)	(39.1)	(2.00)
mesh_n	4.93*	2.69	4.98*	9.04**	14.5	4.98*	3.17	-5.71	4.98*
	(2.62)	(11.2)	(2.54)	(4.26)	(11.4)	(2.54)	(4.51)	(19.6)	(2.54)
AlphaFold × Counterfactual AI	0.056*	-0.091	0.021	0.017	-0.147	0.021	-0.008	-0.061	0.021
	(0.030)	(0.097)	(0.034)	(0.061)	(0.094)	(0.034)	(0.066)	(0.263)	(0.034)
AlphaFold × Counterfactual No AI	0.003	-0.004	0.002	0.013	-0.025	0.002	-0.054	0.071	0.002
	(0.101)	(0.158)	(0.099)	(0.045)	(0.115)	(0.099)	(0.115)	(0.196)	(0.099)
AlphaFold - Method × Counterfactual AI - Method	-0.005	-0.018	-0.043	-0.032	-0.108**	-0.043	0.001	-0.006	-0.043
	(0.030)	(0.049)	(0.039)	(0.064)	(0.043)	(0.039)	(0.041)	(0.063)	(0.039)
AlphaFold - Method × Counterfactual No AI - Method	-0.003	-0.0009	-0.007	-0.002	-0.0002	-0.007	-0.003	-0.0009	-0.007
	(0.002)	(0.001)	(0.005)	(0.0010)	(0.001)	(0.005)	(0.002)	(0.002)	(0.005)
Fixed-effects									
pi_id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
quarter_year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_cited_by_count	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Dependent Variable:	ln1p_cit_1								
	All Fields			Molecular Biology			Medicine		
	All PDB	High PDB	CEM	All PDB	High PDB	CEM	All PDB	High PDB	CEM
AlphaFold	0.107***	0.172***	0.110***	0.083***	0.172***	0.110***	0.189***	0.137**	0.110***
	(0.025)	(0.044)	(0.022)	(0.028)	(0.047)	(0.022)	(0.033)	(0.064)	(0.022)
Counterfactual AI	0.045*	0.060	0.050*	0.061*	0.049	0.050*	0.075	-0.080	0.050*
	(0.026)	(0.041)	(0.025)	(0.034)	(0.053)	(0.025)	(0.051)	(0.085)	(0.025)
Counterfactual No AI	0.168***	0.204***	0.172***	0.080***	0.187***	0.172***	0.209***	0.161*	0.172***
	(0.045)	(0.056)	(0.042)	(0.025)	(0.037)	(0.042)	(0.059)	(0.087)	(0.042)
AlphaFold - Method	-0.026	-0.060***	-0.018	-0.024	-0.049	-0.018	-0.034*	-0.058***	-0.018
	(0.021)	(0.016)	(0.022)	(0.036)	(0.032)	(0.022)	(0.017)	(0.012)	(0.022)
Counterfactual AI - Method	-0.004	0.049	0.025	-0.002	0.076	0.025	0.025	0.146	0.025
	(0.026)	(0.052)	(0.024)	(0.034)	(0.071)	(0.024)	(0.044)	(0.112)	(0.024)
Counterfactual No AI - Method	0.013	-0.011	0.015	-0.019	-0.007	0.015	0.005	-0.034	0.015
	(0.023)	(0.023)	(0.023)	(0.030)	(0.031)	(0.023)	(0.022)	(0.022)	(0.023)
field_agricultural_and_biological_sciences	11.8***	10.8***	12.3***	13.8***	13.9***	12.3***	19.1***	16.8*	12.3***
	(1.66)	(2.27)	(1.89)	(1.71)	(3.74)	(1.89)	(2.67)	(8.58)	(1.89)
field_arts_and_humanities	0.922	14.7	1.31	26.0	66.7	1.31	8.17	-27.5	1.31
	(2.38)	(12.0)	(2.59)	(19.1)	(54.2)	(2.59)	(17.8)	(49.3)	(2.59)
field_biochemistry_genetics_and_molecular_biology	6.76***	6.89***	6.54***	6.29***	5.90***	6.54***	3.10*	7.98**	6.54***
	(1.93)	(1.50)	(1.83)	(1.27)	(1.24)	(1.83)	(1.83)	(2.94)	(1.83)
field_business_management_and_accounting	7.75	37.5**	2.60	7.83	23.8	2.60	9.26	100.6	2.60
	(5.69)	(15.0)	(6.48)	(12.4)	(36.3)	(6.48)	(10.0)	(98.1)	(6.48)
field_chemical_engineering	22.4***	47.7***	23.8***	27.5**	64.9***	23.8***	9.33	43.3	23.8***
	(4.76)	(14.9)	(4.76)	(11.0)	(18.3)	(4.76)	(20.6)	(38.1)	(4.76)
field_chemistry	11.4***	9.77***	12.7***	10.5***	11.5***	12.7***	8.69***	5.26	12.7***
	(1.15)	(2.63)	(1.17)	(1.62)	(3.47)	(1.17)	(2.66)	(7.77)	(1.17)
field_computer_science	11.0***	9.18	13.0***	6.17*	-2.76	13.0***	5.52	17.3	13.0***
	(2.15)	(5.81)	(1.94)	(3.36)	(8.24)	(1.94)	(6.78)	(10.5)	(1.94)
field_decision_sciences	0.904	-4.47	-1.88	-2.72	2.04	-1.88	9.74	17.4	-1.88
	(2.60)	(16.4)	(2.77)	(11.9)	(26.8)	(2.77)	(17.8)	(72.4)	(2.77)
field_dentistry	15.5***	50.1***	15.0***	17.8**	59.6***	15.0***	28.7***	41.6	15.0***
	(3.39)	(9.60)	(3.65)	(7.53)	(19.2)	(3.65)	(7.19)	(33.3)	(3.65)
field_earth_and_planetary_sciences	-4.63**	-10.3***	-5.25***	7.82	14.1	-5.25***	-18.1	-42.4	-5.25***
	(1.81)	(3.14)	(1.74)	(5.97)	(15.7)	(1.74)	(24.6)	(31.2)	(1.74)
field_economics_econometrics_and_finance	12.5***	20.5	14.5***	0.866	-8.05	14.5***	10.1*	-11.6	14.5***
	(3.02)	(22.8)	(3.52)	(11.4)	(59.7)	(3.52)	(5.18)	(32.2)	(3.52)
field_energy	22.0***	9.06	20.5***	20.2***	14.2	20.5***	37.0**	-31.2	20.5***
	(3.83)	(5.75)	(3.89)	(5.02)	(9.24)	(3.89)	(16.6)	(45.4)	(3.89)
field_engineering	15.7***	7.34**	15.5***	14.8***	13.0***	15.5***	20.4***	-0.363	15.5***
	(2.02)	(3.19)	(1.95)	(2.17)	(4.50)	(1.95)	(3.90)	(11.3)	(1.95)
field_environmental_science	12.2***	9.58***	12.2***	12.2***	12.3**	12.2***	17.5***	8.31	12.2***
	(1.34)	(3.24)	(1.35)	(2.10)	(5.02)	(1.35)	(4.60)	(12.3)	(1.35)
field_health_professions	3.87	-0.229	2.70	8.38	16.2	2.70	2.15	-0.745	2.70
	(2.29)	(14.2)	(2.64)	(7.01)	(21.7)	(2.64)	(4.26)	(19.5)	(2.64)
field_immunology_and_microbiology	8.36***	7.92***	8.92***	12.1***	10.6***	8.92***	5.97**	12.1**	8.92***
	(2.26)	(2.59)	(2.05)	(1.49)	(3.19)	(2.05)	(2.44)	(4.50)	(2.05)
field_materials_science	8.34***	1.32	7.26***	15.2***	3.51	7.26***	14.6***	12.8	7.26***
	(1.57)	(1.33)	(1.63)	(2.48)	(3.85)	(1.63)	(3.43)	(13.8)	(1.63)
field_mathematics	47.5***	90.7***	48.2***	12.3	53.9*	48.2***	51.7***	76.7***	48.2***
	(7.46)	(20.8)	(7.68)	(9.10)	(26.9)	(7.68)	(7.98)	(25.9)	(7.68)
field_medicine	9.94***	11.5***	10.1***	7.02***	7.68***	10.1***	10.3***	8.48***	10.1***
	(1.98)	(2.05)	(1.93)	(1.18)	(2.29)	(1.93)	(0.898)	(2.26)	(1.93)
field_neuroscience	11.9***	17.1***	12.1***	12.6***	23.2***	12.1***	14.5***	5.55	12.1***
	(1.09)	(3.39)	(1.05)	(1.47)	(4.43)	(1.05)	(2.29)	(8.08)	(1.05)
field_nursing	10.6***	6.06	9.65***	9.29**	7.35	9.65***	10.5**	16.3	9.65***
	(1.67)	(4.85)	(1.64)	(3.64)	(8.41)	(1.64)	(4.43)	(15.4)	(1.64)
field_pharmacology_toxicology_and_pharmaceutics	8.62***	6.64	8.25***	9.57**	6.50	8.25***	1.21	3.47	8.25***
	(2.54)	(5.03)	(2.90)	(4.68)	(7.03)	(2.90)	(5.14)	(16.5)	(2.90)
field_physics_and_astronomy	5.18***	12.1***	5.37***	7.66	18.5*	5.37***	-8.39	41.6**	5.37***
	(1.49)	(4.43)	(1.52)	(5.02)	(10.6)	(1.52)	(7.93)	(19.7)	(1.52)
field_psychology	19.5***	-7.69	20.5***	12.7*	-18.2	20.5***	20.8***	19.7	20.5***
	(3.84)	(11.9)	(3.62)	(6.25)	(21.7)	(3.62)	(4.82)	(32.2)	(3.62)
field_social_sciences	13.1***	18.0*	12.9***	-1.21	17.4	12.9***	11.6	49.1	12.9***
	(3.02)	(10.6)	(3.02)	(5.79)	(12.6)	(3.02)	(7.06)	(36.6)	(3.02)
field_veterinary	3.45	4.05	3.75	-5.84	8.44	3.75	-0.253	-42.8	3.75
	(3.00)	(13.0)	(3.05)	(9.68)	(27.1)	(3.05)	(6.78)	(28.8)	(3.05)
mesh_	60.8***	125.1***	72.7***	51.2***	50.6	72.7***	82.0***	184.8***	72.7***
	(9.61)	(32.8)	(10.2)	(15.8)	(40.4)	(10.2)	(21.7)	(62.6)	(10.2)
mesh_A	6.97***	11.8***	6.85***	9.46***	15.0***	6.85***	6.83***	10.6***	6.85***
	(0.730)	(2.53)	(0.782)	(1.05)	(3.15)	(0.782)	(1.69)	(3.81)	(0.782)
mesh_B	8.01***	10.4***	7.71***	9.22***	5.81**	7.71***	18.6***	18.0***	7.71***
	(0.764)	(2.04)	(0.735)	(1.14)	(2.68)	(0.735)	(2.28)	(5.84)	(0.735)
mesh_C	9.63***	16.6***	9.71***	9.57***	12.7***	9.71***	9.52***	22.6***	9.71***
	(1.14)	(2.91)	(1.13)	(1.10)	(2.56)	(1.13)	(1.32)	(6.68)	(1.13)
mesh_D	3.20***	5.66***	3.42***	2.69***	5.55***	3.42***	5.96***	6.32***	3.42***
	(0.382)	(0.704)	(0.435)	(0.466)	(0.909)	(0.435)	(0.577)	(1.71)	(0.435)
mesh_E	3.60***	10.1***	3.84***	4.61***	9.97***	3.84***	3.69**	13.3	3.84***
	(0.786)	(2.57)	(0.808)	(1.38)	(3.17)	(0.808)	(1.71)	(7.92)	(0.808)
mesh_F	6.06***	-10.2	5.64***	6.11**	-1.44	5.64***	12.3***	16.7	5.64***
	(1.62)	(8.23)	(1.72)	(2.60)	(10.9)	(1.72)	(3.32)	(21.9)	(1.72)
mesh_G	8.71***	6.26***	8.12***	9.56***	6.64***	8.12***	12.4***	7.30	8.12***
	(0.732)	(1.84)	(0.711)	(0.823)	(2.17)	(0.711)	(1.45)	(5.06)	(0.711)
mesh_H	17.8***	35.0***	15.4***	20.4***	38.5**	15.4***	22.7**	36.0	15.4***
	(2.35)	(9.29)	(2.27)	(4.51)	(15.0)	(2.27)	(9.22)	(44.4)	(2.27)
mesh_I	-2.55	21.4	-2.66	-0.843	82.4	-2.66	-4.82	15.0	-2.66
	(3.98)	(50.7)	(3.86)	(6.62)	(71.8)	(3.86)	(11.3)	(83.6)	(3.86)
mesh_J	3.17***	17.5***	3.64***	5.06**	15.6**	3.64***	10.8**	3.19	3.64***
	(0.961)	(4.78)	(1.15)	(2.00)	(6.39)	(1.15)	(4.36)	(18.9)	(1.15)
mesh_K	-11.5*	25.8	-28.0**	-5.32	76.6	-28.0**	-34.5	-304.2*	-28.0**
	(6.12)	(41.4)	(12.2)	(24.4)	(56.5)	(12.2)	(26.4)	(173.2)	(12.2)
mesh_L	12.6***	24.7***	11.2***	13.2***	23.8***	11.2***	19.0***	-10.6	11.2***
	(1.19)	(5.45)	(1.40)	(2.21)	(7.50)	(1.40)	(4.22)	(16.0)	(1.40)
mesh_M	10.9***	34.0***	10.9***	11.1***	4.82	10.9***	13.6***	38.9**	10.9***
	(1.78)	(9.74)	(1.66)	(3.25)	(10.6)	(1.66)	(2.51)	(17.6)	(1.66)
mesh_N	10.9***	23.7***	10.4***	18.0***	24.7**	10.4***	17.3***	33.6**	10.4***
	(0.972)	(7.68)	(1.04)	(2.57)	(9.44)	(1.04)	(2.37)	(15.7)	(1.04)
mesh_Z	1.14	-17.3	1.22	-5.12	11.7	1.22	-6.28	-24.4	1.22
	(2.55)	(17.6)	(2.65)	(7.18)	(24.9)	(2.65)	(5.06)	(32.4)	(2.65)
mesh_n	6.25**	-5.03	5.96**	12.0**	13.7	5.96**	9.04*	-7.65	5.96**
	(2.90)	(11.3)	(2.59)	(4.51)	(14.0)	(2.59)	(5.16)	(22.2)	(2.59)
AlphaFold × Counterfactual AI	0.041	-0.062	0.030	0.029	-0.064	0.030	-0.129*	-0.117	0.030
	(0.038)	(0.122)	(0.038)	(0.079)	(0.134)	(0.038)	(0.075)	(0.211)	(0.038)
AlphaFold × Counterfactual No AI	-0.026	0.065	-0.029	-0.004	-0.011	-0.029	-0.095	0.132	-0.029
	(0.078)	(0.093)	(0.076)	(0.072)	(0.103)	(0.076)	(0.076)	(0.107)	(0.076)
AlphaFold - Method × Counterfactual AI - Method	0.005	0.011	-0.042	-0.016	-0.065	-0.042	0.046	0.042	-0.042
	(0.029)	(0.039)	(0.040)	(0.056)	(0.045)	(0.040)	(0.055)	(0.058)	(0.040)
AlphaFold - Method × Counterfactual No AI - Method	-0.002	0.0002	-0.006	-0.0003	-0.0002	-0.006	-0.002	0.002	-0.006
	(0.002)	(0.0008)	(0.006)	(0.002)	(0.002)	(0.006)	(0.002)	(0.003)	(0.006)
Fixed-effects									
pi_id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
quarter_year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_cited_by_count	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Dependent Variable:	ln1p_fwci								
	All Fields			Molecular Biology			Medicine		
	All PDB	High PDB	CEM	All PDB	High PDB	CEM	All PDB	High PDB	CEM
AlphaFold	0.033**	0.049**	0.035***	0.012	0.047	0.035***	0.071***	0.073	0.035***
	(0.013)	(0.018)	(0.011)	(0.021)	(0.031)	(0.011)	(0.017)	(0.045)	(0.011)
Counterfactual AI	-0.008	-0.036	-0.007	0.003	-0.026	-0.007	-0.003	-0.227***	-0.007
	(0.010)	(0.028)	(0.011)	(0.020)	(0.041)	(0.011)	(0.023)	(0.074)	(0.011)
Counterfactual No AI	0.032**	-0.012	0.041***	-0.021	-0.0005	0.041***	0.046**	-0.019	0.041***
	(0.012)	(0.022)	(0.012)	(0.014)	(0.032)	(0.012)	(0.017)	(0.042)	(0.012)
AlphaFold - Method	0.001	-0.014*	0.008	0.012**	0.001	0.008	-0.009	-0.033***	0.008
	(0.006)	(0.008)	(0.007)	(0.005)	(0.013)	(0.007)	(0.006)	(0.009)	(0.007)
Counterfactual AI - Method	0.008	0.101**	0.031*	0.017	0.120**	0.031*	0.014	0.189**	0.031*
	(0.013)	(0.038)	(0.018)	(0.019)	(0.057)	(0.018)	(0.030)	(0.090)	(0.018)
Counterfactual No AI - Method	0.005	-0.009	0.007	-0.013	-0.001	0.007	-0.007	-0.020	0.007
	(0.009)	(0.011)	(0.010)	(0.017)	(0.020)	(0.010)	(0.008)	(0.015)	(0.010)
field_agricultural_and_biological_sciences	2.17***	3.07	2.25***	1.35*	6.42**	2.25***	0.955	2.76	2.25***
	(0.431)	(2.16)	(0.500)	(0.768)	(2.50)	(0.500)	(1.41)	(5.80)	(0.500)
field_arts_and_humanities	-1.69	0.152	-1.30	9.41	-0.961	-1.30	-0.962	-82.9***	-1.30
	(1.85)	(6.21)	(1.93)	(9.91)	(29.6)	(1.93)	(10.8)	(26.1)	(1.93)
field_biochemistry_genetics_and_molecular_biology	-2.13***	-2.30***	-2.19***	-0.808***	-0.667*	-2.19***	-2.28**	-1.60	-2.19***
	(0.450)	(0.359)	(0.496)	(0.203)	(0.390)	(0.496)	(0.858)	(2.29)	(0.496)
field_business_management_and_accounting	-5.70	-10.5	-7.88**	-15.3**	-20.8	-7.88**	-5.36	56.8	-7.88**
	(3.69)	(12.2)	(3.84)	(7.46)	(25.8)	(3.84)	(5.44)	(80.2)	(3.84)
field_chemical_engineering	-0.010	-5.04	1.66	-2.15	-16.6	1.66	-14.5	-7.95	1.66
	(3.26)	(12.1)	(3.57)	(5.55)	(12.9)	(3.57)	(13.6)	(25.6)	(3.57)
field_chemistry	-2.66***	-1.45	-2.30***	-1.75*	-1.27	-2.30***	-3.63	-4.48	-2.30***
	(0.573)	(1.56)	(0.644)	(0.901)	(2.21)	(0.644)	(2.17)	(6.70)	(0.644)
field_computer_science	-0.955	-0.510	-0.010	-4.01**	-11.1**	-0.010	-5.72**	3.31	-0.010
	(0.855)	(3.20)	(0.916)	(1.74)	(4.35)	(0.916)	(2.62)	(8.66)	(0.916)
field_decision_sciences	-5.71***	-2.93	-6.85***	0.806	7.44	-6.85***	-11.7	24.4	-6.85***
	(2.09)	(12.6)	(1.61)	(8.56)	(19.6)	(1.61)	(10.2)	(53.0)	(1.61)
field_dentistry	4.98**	15.9**	4.25**	-0.596	18.6	4.25**	7.39*	23.4	4.25**
	(1.91)	(5.88)	(1.91)	(4.10)	(12.7)	(1.91)	(4.20)	(19.5)	(1.91)
field_earth_and_planetary_sciences	-1.20	-4.52*	-1.38	-2.49	-5.04	-1.38	-10.5	-38.1	-1.38
	(1.08)	(2.35)	(1.24)	(3.43)	(11.6)	(1.24)	(11.4)	(26.8)	(1.24)
field_economics_econometrics_and_finance	-0.375	-15.8*	0.707	-10.3	-10.8	0.707	-4.22	-8.70	0.707
	(2.59)	(8.33)	(2.84)	(7.01)	(19.2)	(2.84)	(3.35)	(11.7)	(2.84)
field_energy	-3.30*	-10.7***	-4.30**	0.454	-5.04	-4.30**	-7.71	-42.1**	-4.30**
	(1.72)	(3.50)	(1.65)	(2.80)	(5.15)	(1.65)	(8.43)	(20.2)	(1.65)
field_engineering	-1.89***	-0.930	-1.88**	-3.22***	-5.49**	-1.88**	-5.66**	-24.7***	-1.88**
	(0.609)	(1.80)	(0.706)	(0.990)	(2.35)	(0.706)	(2.18)	(7.76)	(0.706)
field_environmental_science	-1.06*	0.079	-0.858	0.294	0.202	-0.858	-3.87	-8.18	-0.858
	(0.564)	(1.34)	(0.591)	(1.35)	(2.53)	(0.591)	(2.40)	(7.94)	(0.591)
field_health_professions	-5.65***	-12.6	-5.67**	-3.64	3.59	-5.67**	-11.0***	-56.8***	-5.67**
	(1.99)	(17.4)	(2.25)	(4.96)	(14.8)	(2.25)	(2.30)	(20.5)	(2.25)
field_immunology_and_microbiology	-2.63***	-4.65***	-2.20***	1.01	-1.09	-2.20***	-3.93***	-3.41	-2.20***
	(0.536)	(1.30)	(0.658)	(0.717)	(2.28)	(0.658)	(1.22)	(3.27)	(0.658)
field_materials_science	0.189	-0.104	-0.093	-1.18	-5.39**	-0.093	-0.818	5.27	-0.093
	(0.348)	(0.925)	(0.382)	(0.893)	(2.09)	(0.382)	(2.15)	(6.66)	(0.382)
field_mathematics	8.11***	30.3**	8.66***	2.93	10.6	8.66***	12.3***	26.7	8.66***
	(2.20)	(11.6)	(2.37)	(6.01)	(18.5)	(2.37)	(3.37)	(20.7)	(2.37)
field_medicine	-0.132	2.47***	0.026	-0.666*	0.497	0.026	-1.95***	0.485	0.026
	(0.279)	(0.489)	(0.312)	(0.382)	(0.914)	(0.312)	(0.435)	(0.946)	(0.312)
field_neuroscience	-2.48***	1.35	-2.24***	-2.30**	1.06	-2.24***	-5.52***	-7.81	-2.24***
	(0.751)	(1.91)	(0.771)	(0.998)	(2.04)	(0.771)	(1.81)	(6.78)	(0.771)
field_nursing	-1.79*	2.96	-2.56**	-2.06	4.36	-2.56**	-8.13**	-1.92	-2.56**
	(0.974)	(2.97)	(1.07)	(2.13)	(3.72)	(1.07)	(3.06)	(18.3)	(1.07)
field_pharmacology_toxicology_and_pharmaceutics	0.151	1.64	-0.076	1.49	5.82	-0.076	-5.36**	-5.69	-0.076
	(1.21)	(3.40)	(1.34)	(1.78)	(4.69)	(1.34)	(2.48)	(15.3)	(1.34)
field_physics_and_astronomy	-2.49	1.62	-2.33	-4.25	8.46	-2.33	-9.23*	9.52	-2.33
	(1.65)	(4.15)	(1.57)	(3.84)	(9.04)	(1.57)	(4.89)	(17.0)	(1.57)
field_psychology	3.43*	-0.533	3.83*	-3.73	-11.1	3.83*	3.51	12.0	3.83*
	(1.88)	(7.06)	(2.17)	(4.69)	(12.7)	(2.17)	(3.39)	(18.8)	(2.17)
field_social_sciences	-0.217	1.08	-1.23	-7.13**	2.03	-1.23	-3.51	-2.11	-1.23
	(1.67)	(5.51)	(1.84)	(2.75)	(8.13)	(1.84)	(4.06)	(24.9)	(1.84)
field_veterinary	1.23	1.71	1.25	-9.49	-5.96	1.25	-2.76	-2.07	1.25
	(2.70)	(9.58)	(2.93)	(6.27)	(14.4)	(2.93)	(4.38)	(18.8)	(2.93)
mesh_	34.2***	74.1***	38.0***	42.3***	44.8	38.0***	32.8***	105.1***	38.0***
	(6.30)	(17.9)	(5.75)	(8.43)	(29.6)	(5.75)	(10.7)	(33.1)	(5.75)
mesh_A	4.20***	7.21***	4.07***	5.66***	7.75***	4.07***	5.52***	10.7***	4.07***
	(0.370)	(1.77)	(0.410)	(0.532)	(2.18)	(0.410)	(1.01)	(2.50)	(0.410)
mesh_B	3.62***	2.54**	3.58***	4.18***	0.839	3.58***	7.50***	3.45	3.58***
	(0.316)	(1.09)	(0.363)	(0.815)	(1.49)	(0.363)	(1.15)	(3.50)	(0.363)
mesh_C	1.68***	4.99***	1.59***	1.29**	3.49*	1.59***	1.22*	7.77*	1.59***
	(0.451)	(1.70)	(0.490)	(0.636)	(1.79)	(0.490)	(0.689)	(4.58)	(0.490)
mesh_D	0.854***	1.60***	0.925***	0.470*	1.44**	0.925***	2.47***	2.55*	0.925***
	(0.143)	(0.383)	(0.151)	(0.246)	(0.560)	(0.151)	(0.335)	(1.30)	(0.151)
mesh_E	-0.484	1.03	-0.240	-0.211	2.09	-0.240	-1.09	2.74	-0.240
	(0.406)	(1.72)	(0.407)	(0.818)	(2.06)	(0.407)	(0.925)	(4.76)	(0.407)
mesh_F	1.06	-1.17	1.27	2.50	7.47*	1.27	3.78*	-0.170	1.27
	(0.947)	(4.64)	(1.01)	(1.63)	(4.35)	(1.01)	(2.06)	(10.4)	(1.01)
mesh_G	3.42***	1.62	3.08***	3.72***	1.98	3.08***	4.41***	-0.879	3.08***
	(0.323)	(1.09)	(0.353)	(0.527)	(1.19)	(0.353)	(0.896)	(3.39)	(0.353)
mesh_H	6.08***	15.2**	3.88***	6.71**	20.0*	3.88***	2.36	16.3	3.88***
	(1.42)	(6.67)	(1.39)	(3.04)	(10.6)	(1.39)	(3.76)	(27.4)	(1.39)
mesh_I	-0.0002	12.3	-1.15	3.39	-5.49	-1.15	-5.47	-20.5	-1.15
	(2.95)	(25.3)	(2.70)	(10.1)	(35.5)	(2.70)	(4.73)	(29.4)	(2.70)
mesh_J	1.07**	2.00	1.00**	1.20	5.88*	1.00**	8.60***	-7.66	1.00**
	(0.442)	(2.40)	(0.487)	(1.01)	(3.46)	(0.487)	(2.22)	(12.6)	(0.487)
mesh_K	-5.89	-35.0	-13.8	3.26	-21.4	-13.8	-33.0	-93.5	-13.8
	(4.13)	(21.9)	(9.07)	(14.9)	(32.5)	(9.07)	(19.6)	(144.3)	(9.07)
mesh_L	6.90***	13.9***	5.75***	7.93***	13.8**	5.75***	12.6***	-7.48	5.75***
	(0.867)	(3.77)	(0.927)	(1.65)	(5.16)	(0.927)	(2.19)	(7.39)	(0.927)
mesh_M	7.37***	20.2**	7.32***	7.81***	1.31	7.32***	9.50***	26.2**	7.32***
	(0.928)	(7.53)	(1.07)	(1.91)	(10.8)	(1.07)	(1.46)	(12.8)	(1.07)
mesh_N	5.47***	4.64	5.12***	10.3***	9.91	5.12***	8.57***	4.02	5.12***
	(0.540)	(3.92)	(0.599)	(1.54)	(5.91)	(0.599)	(1.44)	(14.0)	(0.599)
mesh_Z	0.995	-11.3	0.906	1.83	22.6	0.906	-1.04	-6.74	0.906
	(1.47)	(11.4)	(1.53)	(4.77)	(17.6)	(1.53)	(2.82)	(21.0)	(1.53)
mesh_n	9.24***	10.1	9.19***	12.4***	21.8**	9.19***	11.5***	0.495	9.19***
	(2.14)	(7.40)	(2.03)	(3.24)	(9.34)	(2.03)	(3.11)	(15.6)	(2.03)
AlphaFold × Counterfactual AI	0.030	-0.143*	-0.003	-0.025	-0.167*	-0.003	-0.012	-0.008	-0.003
	(0.026)	(0.072)	(0.029)	(0.054)	(0.085)	(0.029)	(0.038)	(0.175)	(0.029)
AlphaFold × Counterfactual No AI	0.040	0.072	0.025	0.059	0.072	0.025	0.026	0.087	0.025
	(0.031)	(0.055)	(0.034)	(0.035)	(0.085)	(0.034)	(0.037)	(0.081)	(0.034)
AlphaFold - Method × Counterfactual AI - Method	0.004	-0.015	0.003	-0.018	-0.043*	0.003	-0.003	-0.027	0.003
	(0.026)	(0.019)	(0.036)	(0.029)	(0.025)	(0.036)	(0.027)	(0.051)	(0.036)
AlphaFold - Method × Counterfactual No AI - Method	-0.002**	0.0003	-0.006**	-0.0007	-0.0009	-0.006**	-0.0009	0.002	-0.006**
	(0.0006)	(0.0003)	(0.003)	(0.0005)	(0.0009)	(0.003)	(0.0008)	(0.002)	(0.003)
Fixed-effects									
pi_id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
quarter_year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_cited_by_count	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Dependent Variable:	
	All
AlphaFold	-0.
	(0.0
Counterfactual AI	-0.0
	(0.0
Counterfactual No AI	0.0
	(0.0
AlphaFold - Method	-0.0
	(0.0
Counterfactual AI - Method	0.0
	(0.0
Counterfactual No AI - Method	-0.0
	(0.0
field_agricultural_and_biological_sciences	0.82
	(0.1
field_arts_and_humanities	-0.
	(0.1
field_biochemistry_genetics_and_molecular_biology	0.6
	(0.1
field_business_management_and_accounting	5.
	(2.
field_chemical_engineering	1.
	(1.
field_chemistry	0.
	(0.
field_computer_science	0.9
	(0.
field_decision_sciences	-2
	(1.
field_dentistry	0.
	(0.
field_earth_and_planetary_sciences	-0.
	(0.
field_economics_econometrics_and_finance	-2.
	(1.
field_energy	1.
	(0.
field_engineering	1.2
	(0.
field_environmental_science	0.90
	(0.
field_health_professions	0.
	(0.
field_immunology_and_microbiology	1.
	(0.
field_materials_science	0.
	(0.
field_mathematics	9.6
	(2.
field_medicine	1.8
	(0.
field_neuroscience	0.
	(0.
field_nursing	-0.
	(0.
field_pharmacology_toxicology_and_pharmaceutics	-0.
	(0.
field_physics_and_astronomy	0.
	(0.
field_psychology	1.
	(0.
field_social_sciences	1.
	(0.
field_veterinary	-1
	(1.
mesh_	25.
	(6.
mesh_A	0.79
	(0.
mesh_B	1.7
	(0.
mesh_C	1.0
	(0.
mesh_D	0.82
	(0.
mesh_E	2.6
	(0.
mesh_F	0.
	(0.
mesh_G	0.60
	(0.
mesh_H	1.
	(0.
mesh_I	-0.
	(0.
mesh_J	0.
	(0.
mesh_K	-2
	(1.
mesh_L	2.1
	(0.
mesh_M	-0.
	(0.
mesh_N	-0.
	(0.
mesh_Z	-2.5
	(0.
mesh_n	3.0
	(0.
AlphaFold × Counterfactual AI	-0.
	(0.
AlphaFold × Counterfactual No AI	-0.0
	(0.
AlphaFold - Method × Counterfactual AI - Method	0.
	(0.
AlphaFold - Method × Counterfactual No AI - Method	0.0
	(0.0
Fixed-effects	
pi_id	Y
quarter_year	Y
institution_type	Y
institution_cited_by_count	Y
institution_2yr_mean_citedness	Y

Dependent Variable:	ln1p_patent_citation								
	All Fields			Molecular Biology			Medicine		
	All PDB	High PDB	CEM	All PDB	High PDB	CEM	All PDB	High PDB	CEM
AlphaFold	-0.014	0.023	0.0004	-0.029***	-0.016	0.0004	-0.022	-0.022	0.0004
	(0.009)	(0.024)	(0.008)	(0.008)	(0.016)	(0.008)	(0.020)	(0.072)	(0.008)
Counterfactual AI	-0.023**	-0.011	-0.012	-0.017**	-0.003	-0.012	-0.069**	-0.170	-0.012
	(0.009)	(0.027)	(0.008)	(0.009)	(0.019)	(0.008)	(0.033)	(0.101)	(0.008)
Counterfactual No AI	-0.011	-0.078	-0.005	-0.029***	-0.023	-0.005	0.012	-0.094	-0.005
	(0.019)	(0.055)	(0.017)	(0.008)	(0.023)	(0.017)	(0.035)	(0.104)	(0.017)
AlphaFold - Method	-0.031***	-0.058***	-0.030***	-0.016***	-0.015**	-0.030***	-0.037***	-0.059***	-0.030***
	(0.008)	(0.015)	(0.008)	(0.005)	(0.007)	(0.008)	(0.010)	(0.021)	(0.008)
Counterfactual AI - Method	0.009	0.035*	0.013*	0.002	0.027	0.013*	0.045**	0.137**	0.013*
	(0.008)	(0.020)	(0.007)	(0.011)	(0.020)	(0.007)	(0.017)	(0.063)	(0.007)
Counterfactual No AI - Method	-0.029**	-0.046	-0.016	-0.029***	-0.019*	-0.016	-0.038**	-0.060**	-0.016
	(0.014)	(0.028)	(0.010)	(0.010)	(0.011)	(0.010)	(0.017)	(0.023)	(0.010)
field_agricultural_and_biological_sciences	0.840***	2.78	0.825***	0.794	2.81	0.825***	7.98**	23.9*	0.825***
	(0.264)	(1.65)	(0.259)	(0.484)	(1.99)	(0.259)	(3.12)	(13.2)	(0.259)
field_arts_and_humanities	-0.076	-0.836	0.153	9.16	29.5	0.153	-10.1*	-16.7	0.153
	(0.549)	(4.70)	(0.465)	(7.76)	(32.2)	(0.465)	(5.29)	(38.8)	(0.465)
field_biochemistry_genetics_and_molecular_biology	0.301	0.058	0.202	0.549***	0.584	0.202	-0.968	-2.77	0.202
	(0.240)	(0.441)	(0.206)	(0.157)	(0.390)	(0.206)	(0.598)	(2.78)	(0.206)
field_business_management_and_accounting	5.65	19.4*	2.39	26.8	27.5	2.39	0.242	133.2	2.39
	(3.45)	(10.1)	(2.07)	(18.6)	(19.6)	(2.07)	(2.81)	(119.6)	(2.07)
field_chemical_engineering	2.21	-1.97	2.26	3.33	-0.665	2.26	-4.44	-87.8**	2.26
	(1.43)	(5.79)	(1.49)	(3.25)	(11.0)	(1.49)	(11.9)	(38.8)	(1.49)
field_chemistry	0.214	-0.458	0.512	-0.029	-0.063	0.512	1.49	3.62	0.512
	(0.380)	(1.13)	(0.440)	(0.593)	(1.65)	(0.440)	(1.71)	(7.82)	(0.440)
field_computer_science	0.506	0.027	0.858	0.909	-0.570	0.858	0.005	-8.38	0.858
	(0.507)	(1.90)	(0.515)	(0.961)	(3.43)	(0.515)	(1.69)	(6.59)	(0.515)
field_decision_sciences	-1.21	0.255	-0.509	-1.21	6.82	-0.509	-5.70	-68.7	-0.509
	(0.944)	(9.60)	(0.844)	(4.84)	(15.7)	(0.844)	(3.79)	(70.6)	(0.844)
field_dentistry	0.236	-5.64*	0.428	1.57	1.46	0.428	-2.37	-32.3*	0.428
	(0.847)	(3.33)	(0.955)	(2.18)	(5.88)	(0.955)	(1.85)	(18.6)	(0.955)
field_earth_and_planetary_sciences	-0.412	0.139	-0.535	0.483	5.51	-0.535	-10.4**	-34.9*	-0.535
	(0.354)	(1.03)	(0.368)	(2.17)	(6.43)	(0.368)	(4.45)	(19.3)	(0.368)
field_economics_econometrics_and_finance	0.511	-9.56*	0.077	-2.92	-18.7	0.077	-3.28	-21.3	0.077
	(1.96)	(5.43)	(1.86)	(3.36)	(13.8)	(1.86)	(2.13)	(14.6)	(1.86)
field_energy	0.494	-0.0006	0.275	2.99*	5.17	0.275	-3.64	-34.4	0.275
	(0.653)	(1.98)	(0.649)	(1.75)	(3.24)	(0.649)	(5.27)	(24.0)	(0.649)
field_engineering	0.693**	-0.909	0.534**	0.544	-1.73	0.534**	-0.759	-22.8*	0.534**
	(0.264)	(0.964)	(0.262)	(0.554)	(1.50)	(0.262)	(1.13)	(12.7)	(0.262)
field_environmental_science	0.469	-0.338	0.292	1.11	2.64	0.292	0.771	-2.38	0.292
	(0.295)	(1.17)	(0.312)	(0.819)	(2.10)	(0.312)	(1.89)	(9.97)	(0.312)
field_health_professions	0.285	-8.44	0.859	1.56	-0.086	0.859	-1.32	-31.5*	0.859
	(0.610)	(8.38)	(0.600)	(2.62)	(8.50)	(0.600)	(1.32)	(18.6)	(0.600)
field_immunology_and_microbiology	0.426	1.26	0.568	1.04*	0.822	0.568	-0.023	5.49	0.568
	(0.565)	(1.77)	(0.521)	(0.611)	(1.94)	(0.521)	(0.887)	(5.07)	(0.521)
field_materials_science	0.271	-0.248	0.117	-0.520	-1.80	0.117	0.845	8.46	0.117
	(0.187)	(0.460)	(0.192)	(0.575)	(1.26)	(0.192)	(1.95)	(10.5)	(0.192)
field_mathematics	8.28**	9.60	9.71***	3.41	43.3	9.71***	11.7***	-8.03	9.71***
	(3.09)	(16.4)	(3.33)	(5.27)	(45.0)	(3.33)	(4.00)	(23.2)	(3.33)
field_medicine	1.46**	4.48***	1.32**	0.425*	1.14	1.32**	1.62***	1.26	1.32**
	(0.538)	(1.61)	(0.503)	(0.245)	(1.08)	(0.503)	(0.486)	(1.46)	(0.503)
field_neuroscience	0.080	-0.447	0.0005	-0.381	1.34	0.0005	-0.892	-5.84	0.0005
	(0.293)	(1.31)	(0.290)	(0.569)	(1.87)	(0.290)	(0.964)	(10.4)	(0.290)
field_nursing	0.341	-2.85	0.258	1.09	-1.69	0.258	-0.676	-17.1*	0.258
	(0.457)	(2.37)	(0.458)	(0.978)	(2.69)	(0.458)	(1.43)	(9.68)	(0.458)
field_pharmacology_toxicology_and_pharmaceutics	-0.331	-0.837	-0.095	-0.255	-1.76	-0.095	-1.66	-8.00	-0.095
	(0.679)	(3.39)	(0.791)	(0.966)	(2.42)	(0.791)	(2.40)	(18.5)	(0.791)
field_physics_and_astronomy	0.473	-0.585	0.563	-0.534	-2.03	0.563	-3.19	-13.7	0.563
	(0.428)	(1.21)	(0.447)	(1.58)	(2.67)	(0.447)	(2.74)	(17.8)	(0.447)
field_psychology	0.788	1.13	0.628	-1.53	-6.06	0.628	0.542	-13.8	0.628
	(0.646)	(6.91)	(0.583)	(2.17)	(8.36)	(0.583)	(1.12)	(25.9)	(0.583)
field_social_sciences	0.125	-1.02	0.007	-3.79	1.30	0.007	-0.604	-17.6	0.007
	(0.975)	(5.48)	(0.953)	(2.51)	(7.26)	(0.953)	(2.64)	(22.4)	(0.953)
field_veterinary	-0.843	-3.45	-0.115	2.12	-2.50	-0.115	-5.27	-12.4	-0.115
	(1.48)	(6.47)	(1.49)	(2.65)	(5.99)	(1.49)	(4.25)	(26.6)	(1.49)
mesh_	17.2***	53.1*	16.7**	28.1**	34.4	16.7**	18.1*	98.7*	16.7**
	(6.24)	(27.2)	(6.40)	(10.9)	(31.0)	(6.40)	(9.30)	(52.5)	(6.40)
mesh_A	0.448*	-0.076	0.328	0.606*	0.878	0.328	0.063	-1.77	0.328
	(0.233)	(1.26)	(0.253)	(0.348)	(1.14)	(0.253)	(0.620)	(3.78)	(0.253)
mesh_B	1.00***	1.38	0.878***	1.23***	0.428	0.878***	4.47***	2.87	0.878***
	(0.255)	(1.00)	(0.251)	(0.369)	(1.05)	(0.251)	(1.12)	(4.71)	(0.251)
mesh_C	0.850**	5.05**	0.746**	0.967***	3.01*	0.746**	-0.093	7.06	0.746**
	(0.340)	(1.96)	(0.336)	(0.318)	(1.76)	(0.336)	(0.444)	(5.15)	(0.336)
mesh_D	0.538***	2.16***	0.552***	0.003	0.877**	0.552***	1.85***	5.57***	0.552***
	(0.116)	(0.424)	(0.122)	(0.179)	(0.399)	(0.122)	(0.328)	(1.85)	(0.122)
mesh_E	1.60***	5.21***	1.47***	3.46***	6.85***	1.47***	2.40***	11.6*	1.47***
	(0.291)	(1.58)	(0.302)	(0.620)	(1.81)	(0.302)	(0.729)	(6.60)	(0.302)
mesh_F	0.035	-6.27	-0.005	0.518	-1.38	-0.005	0.908	-11.0	-0.005
	(0.593)	(5.29)	(0.593)	(0.935)	(3.67)	(0.593)	(1.16)	(14.2)	(0.593)
mesh_G	0.451**	-1.34	0.349*	0.730**	0.171	0.349*	0.579	-5.45	0.349*
	(0.167)	(0.837)	(0.188)	(0.304)	(0.771)	(0.188)	(0.574)	(3.96)	(0.188)
mesh_H	0.809	-2.40	0.919	1.77	-7.55*	0.919	0.121	-13.5	0.919
	(0.774)	(2.95)	(0.692)	(1.65)	(3.92)	(0.692)	(2.19)	(21.9)	(0.692)
mesh_I	0.211	-3.34	0.679	6.91	1.92	0.679	-0.863	-46.3	0.679
	(0.865)	(18.0)	(0.892)	(5.35)	(29.1)	(0.892)	(2.11)	(57.3)	(0.892)
mesh_J	0.123	2.10	0.230	0.160	3.68	0.230	-3.39*	-4.55	0.230
	(0.274)	(2.05)	(0.305)	(0.737)	(2.77)	(0.305)	(1.83)	(16.0)	(0.305)
mesh_K	-2.22*	0.347	-2.28	-6.38	8.88	-2.28	0.787	-27.2	-2.28
	(1.28)	(17.5)	(2.69)	(6.31)	(29.8)	(2.69)	(10.3)	(87.6)	(2.69)
mesh_L	1.36***	0.857	1.38**	1.08	1.57	1.38**	1.35	-15.0	1.38**
	(0.496)	(1.38)	(0.529)	(0.764)	(1.99)	(0.529)	(1.41)	(9.09)	(0.529)
mesh_M	-0.485	-0.092	-0.474	-0.652	-4.35	-0.474	-0.689	-5.08	-0.474
	(0.552)	(6.40)	(0.600)	(1.11)	(4.38)	(0.600)	(0.878)	(12.1)	(0.600)
mesh_N	-0.092	9.81	-0.152	-1.23	2.28	-0.152	0.312	31.9	-0.152
	(0.353)	(6.96)	(0.330)	(0.909)	(5.28)	(0.330)	(0.897)	(20.7)	(0.330)
mesh_Z	-0.962	-23.0*	-0.865	-1.54	-28.2***	-0.865	-3.16	-58.8**	-0.865
	(0.884)	(13.1)	(0.913)	(2.08)	(10.2)	(0.913)	(2.00)	(28.6)	(0.913)
mesh_n	1.93**	18.3**	1.54*	0.922	6.70	1.54*	1.73	24.4	1.54*
	(0.832)	(7.76)	(0.840)	(1.69)	(5.78)	(0.840)	(1.64)	(21.9)	(0.840)
AlphaFold × Counterfactual AI	-0.010	-0.024	-0.014	-0.033	-0.068	-0.014	-0.002	0.071	-0.014
	(0.017)	(0.053)	(0.013)	(0.029)	(0.067)	(0.013)	(0.048)	(0.185)	(0.013)
AlphaFold × Counterfactual No AI	-0.055**	-0.097*	-0.061**	-0.019	-0.026	-0.061**	-0.073*	-0.101	-0.061**
	(0.025)	(0.050)	(0.026)	(0.014)	(0.039)	(0.026)	(0.043)	(0.097)	(0.026)
AlphaFold - Method × Counterfactual AI - Method	0.011	0.035***	0.013*	0.010	0.010	0.013*	0.006	0.029	0.013*
	(0.010)	(0.012)	(0.007)	(0.009)	(0.012)	(0.007)	(0.019)	(0.025)	(0.007)
AlphaFold - Method × Counterfactual No AI - Method	0.002**	0.005***	0.001	0.002***	0.002**	0.001	0.003**	0.007**	0.001
	(0.0009)	(0.002)	(0.002)	(0.0006)	(0.0007)	(0.002)	(0.001)	(0.003)	(0.002)
Fixed-effects									
pi_id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
quarter_year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_cited_by_count	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_2yr_mean_citedness	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_h_index	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Dependent Variable:	ln1p_ca_count								
	All Fields			Molecular Biology			Medicine		
	All PDB	High PDB	CEM	All PDB	High PDB	CEM	All PDB	High PDB	CEM
AlphaFold	0.072***	0.083***	0.054***	0.006	0.024**	0.054***	0.152***	0.157**	0.054***
	(0.016)	(0.022)	(0.014)	(0.006)	(0.011)	(0.014)	(0.031)	(0.059)	(0.014)
Counterfactual AI	-0.028**	-0.009	-0.031**	-0.014*	0.021	-0.031**	-0.013	-0.039	-0.031**
	(0.012)	(0.021)	(0.011)	(0.007)	(0.015)	(0.011)	(0.026)	(0.073)	(0.011)
Counterfactual No AI	0.177***	0.254***	0.145***	0.022*	0.037**	0.145***	0.230***	0.320***	0.145***
	(0.042)	(0.055)	(0.036)	(0.011)	(0.017)	(0.036)	(0.051)	(0.075)	(0.036)
AlphaFold - Method	-0.018	-0.020**	-0.015	-0.002	0.0006	-0.015	-0.027**	-0.024**	-0.015
	(0.011)	(0.009)	(0.011)	(0.002)	(0.002)	(0.011)	(0.012)	(0.009)	(0.011)
Counterfactual AI - Method	-0.00009	0.008	-0.0007	-0.0010	-0.008	-0.0007	-0.002	0.059	-0.0007
	(0.009)	(0.025)	(0.009)	(0.005)	(0.014)	(0.009)	(0.035)	(0.110)	(0.009)
Counterfactual No AI - Method	0.046**	0.067**	0.038**	0.019	0.023	0.038**	0.034*	0.052*	0.038**
	(0.021)	(0.030)	(0.019)	(0.012)	(0.019)	(0.019)	(0.018)	(0.030)	(0.019)
field_agricultural_and_biological_sciences	-0.029	1.87*	-0.006	-0.435	-0.684**	-0.006	3.00*	10.4*	-0.006
	(0.192)	(0.959)	(0.171)	(0.286)	(0.273)	(0.171)	(1.52)	(5.92)	(0.171)
field_arts_and_humanities	-1.71	-10.5***	-1.27	-1.00	-0.601	-1.27	-13.1*	-16.6	-1.27
	(1.22)	(3.49)	(1.08)	(2.44)	(2.07)	(1.08)	(6.77)	(27.0)	(1.08)
field_biochemistry_genetics_and_molecular_biology	-0.643***	-0.594***	-0.597***	-0.384***	-0.286**	-0.597***	-3.09***	-3.69**	-0.597***
	(0.187)	(0.211)	(0.189)	(0.115)	(0.130)	(0.189)	(0.847)	(1.49)	(0.189)
field_business_management_and_accounting	-4.22**	-2.14	-3.33*	2.24	-4.31*	-3.33*	-11.3***	-20.9	-3.33*
	(1.89)	(4.87)	(1.85)	(3.34)	(2.20)	(1.85)	(4.09)	(46.2)	(1.85)
field_chemical_engineering	-0.148	-4.59	-0.215	-2.02	-3.28	-0.215	3.85	-35.9	-0.215
	(0.775)	(4.01)	(0.797)	(1.32)	(3.47)	(0.797)	(7.80)	(69.7)	(0.797)
field_chemistry	-0.401	-0.465	-0.148	-0.628**	-0.383	-0.148	-2.67**	-2.43	-0.148
	(0.259)	(0.290)	(0.199)	(0.249)	(0.302)	(0.199)	(1.23)	(2.77)	(0.199)
field_computer_science	-1.42***	-1.76	-0.975**	-0.665	0.607	-0.975**	-6.60***	-9.27**	-0.975**
	(0.477)	(1.50)	(0.459)	(0.400)	(1.58)	(0.459)	(2.18)	(4.34)	(0.459)
field_decision_sciences	0.526	-11.4**	-0.168	-0.516	-5.07	-0.168	9.37	-44.5	-0.168
	(0.772)	(4.82)	(0.660)	(1.29)	(3.18)	(0.660)	(8.70)	(46.7)	(0.660)
field_dentistry	1.78	2.54	1.88	2.46	1.53	1.88	-2.98	-5.71	1.88
	(1.45)	(2.89)	(1.61)	(1.91)	(1.99)	(1.61)	(3.79)	(26.4)	(1.61)
field_earth_and_planetary_sciences	-0.583**	-0.965	-0.460*	-1.52*	-1.96	-0.460*	-1.16	-42.7*	-0.460*
	(0.266)	(0.685)	(0.236)	(0.836)	(1.75)	(0.236)	(4.94)	(24.2)	(0.236)
field_economics_econometrics_and_finance	1.24	-11.8	2.01	4.18	-4.89	2.01	-4.08	-9.48	2.01
	(3.39)	(7.21)	(4.07)	(3.26)	(3.40)	(4.07)	(2.64)	(11.6)	(4.07)
field_energy	-1.50**	-0.777	-1.35**	-0.795	-0.354	-1.35**	-6.14	-43.7*	-1.35**
	(0.634)	(0.595)	(0.603)	(0.483)	(0.513)	(0.603)	(4.33)	(24.0)	(0.603)
field_engineering	-0.068	-0.572	0.031	-0.318	-0.194	0.031	-0.255	-4.95	0.031
	(0.204)	(0.424)	(0.205)	(0.222)	(0.616)	(0.205)	(1.30)	(8.45)	(0.205)
field_environmental_science	-0.768**	-0.761	-0.605**	-0.443	-0.672	-0.605**	-4.44**	-6.18	-0.605**
	(0.290)	(0.640)	(0.292)	(0.379)	(0.438)	(0.292)	(2.18)	(9.76)	(0.292)
field_health_professions	-0.667	-11.1**	-0.638	5.32**	9.84	-0.638	-4.19*	-13.0	-0.638
	(1.41)	(5.40)	(1.48)	(2.60)	(6.25)	(1.48)	(2.14)	(9.89)	(1.48)
field_immunology_and_microbiology	-0.780**	-0.584	-0.749*	0.003	0.902	-0.749*	-2.84***	-0.503	-0.749*
	(0.342)	(0.840)	(0.376)	(0.253)	(0.702)	(0.376)	(0.952)	(3.34)	(0.376)
field_materials_science	-0.242	0.184	-0.182	-0.015	-0.052	-0.182	-2.41	-0.507	-0.182
	(0.334)	(0.160)	(0.284)	(0.169)	(0.237)	(0.284)	(2.08)	(5.37)	(0.284)
field_mathematics	14.6***	55.0***	15.2***	6.04	12.9**	15.2***	19.3***	48.6**	15.2***
	(4.89)	(13.9)	(5.08)	(3.58)	(5.74)	(5.08)	(6.17)	(20.6)	(5.08)
field_medicine	2.79***	3.88***	2.64***	0.757***	0.707*	2.64***	1.76***	2.86*	2.64***
	(0.635)	(1.14)	(0.622)	(0.233)	(0.374)	(0.622)	(0.444)	(1.43)	(0.622)
field_neuroscience	-0.239	-0.617	-0.197	-0.102	0.643	-0.197	-2.15**	-6.28	-0.197
	(0.209)	(0.599)	(0.234)	(0.207)	(1.01)	(0.234)	(0.870)	(3.73)	(0.234)
field_nursing	0.709	-0.951	0.814	0.910	1.33	0.814	-0.143	-7.77	0.814
	(0.607)	(1.48)	(0.604)	(0.604)	(1.37)	(0.604)	(1.62)	(9.18)	(0.604)
field_pharmacology_toxicology_and_pharmaceutics	-0.992*	-0.518	-1.04**	-0.291	0.266	-1.04**	-4.30**	-8.20	-1.04**
	(0.513)	(0.994)	(0.490)	(0.701)	(0.784)	(0.490)	(1.69)	(6.72)	(0.490)
field_physics_and_astronomy	-0.101	-0.255	-0.052	-0.471	0.155	-0.052	-5.20*	-11.8	-0.052
	(0.419)	(0.473)	(0.366)	(0.330)	(0.615)	(0.366)	(2.79)	(10.2)	(0.366)
field_psychology	5.89***	10.3**	4.64***	2.52	12.4	4.64***	9.24***	15.8	4.64***
	(1.54)	(4.32)	(1.45)	(2.16)	(8.39)	(1.45)	(3.19)	(27.9)	(1.45)
field_social_sciences	8.74***	25.5**	7.40***	1.47	0.469	7.40***	16.4***	82.9***	7.40***
	(2.29)	(10.6)	(2.10)	(1.85)	(2.99)	(2.10)	(4.32)	(29.7)	(2.10)
field_veterinary	-2.94**	-2.41	-2.61**	-1.96	-0.652	-2.61**	-9.08**	-14.7**	-2.61**
	(1.18)	(2.48)	(1.07)	(1.69)	(1.94)	(1.07)	(3.97)	(6.13)	(1.07)
mesh_	13.8***	36.8***	14.1***	3.92**	11.6**	14.1***	23.2**	33.5	14.1***
	(4.27)	(11.4)	(5.06)	(1.61)	(5.66)	(5.06)	(10.6)	(37.7)	(5.06)
mesh_A	0.195	0.143	0.214	0.051	0.003	0.214	0.771	1.56	0.214
	(0.125)	(0.450)	(0.130)	(0.092)	(0.177)	(0.130)	(0.525)	(1.90)	(0.130)
mesh_B	0.792***	0.938	0.720***	0.627	0.251	0.720***	2.66***	-1.40	0.720***
	(0.202)	(0.644)	(0.190)	(0.397)	(0.284)	(0.190)	(0.725)	(2.62)	(0.190)
mesh_C	0.620**	-1.56	0.681**	0.673**	0.562	0.681**	0.267	-1.18	0.681**
	(0.305)	(1.06)	(0.291)	(0.247)	(0.437)	(0.291)	(0.497)	(2.79)	(0.291)
mesh_D	0.480***	0.504**	0.415***	0.127**	0.051	0.415***	2.04***	2.10**	0.415***
	(0.141)	(0.217)	(0.132)	(0.062)	(0.080)	(0.132)	(0.560)	(1.02)	(0.132)
mesh_E	0.760***	1.58*	0.607***	0.324**	0.298	0.607***	1.94**	7.48	0.607***
	(0.196)	(0.808)	(0.175)	(0.142)	(0.256)	(0.175)	(0.738)	(4.88)	(0.175)
mesh_F	-0.500	-3.75	-0.402	-0.933*	-1.82	-0.402	0.216	2.84	-0.402
	(0.485)	(2.23)	(0.495)	(0.532)	(1.52)	(0.495)	(0.937)	(5.94)	(0.495)
mesh_G	0.509***	0.032	0.426**	0.054	0.147	0.426**	1.19*	1.91	0.426**
	(0.178)	(0.297)	(0.159)	(0.144)	(0.121)	(0.159)	(0.619)	(1.85)	(0.159)
mesh_H	0.540	-1.85	0.325	0.663	1.97	0.325	3.22	-8.31	0.325
	(0.518)	(1.58)	(0.436)	(0.672)	(2.22)	(0.436)	(2.46)	(12.7)	(0.436)
mesh_I	-2.35*	-13.2	-2.17*	-1.54	8.61	-2.17*	-5.30	-10.5	-2.17*
	(1.33)	(10.6)	(1.26)	(2.07)	(7.19)	(1.26)	(4.03)	(28.2)	(1.26)
mesh_J	-0.037	1.36	0.001	0.169	0.382	0.001	-1.11	6.01	0.001
	(0.115)	(1.22)	(0.114)	(0.199)	(0.508)	(0.114)	(1.22)	(10.5)	(0.114)
mesh_K	-2.80**	-22.3	-4.05*	-3.63	-12.8*	-4.05*	-13.2	-37.9	-4.05*
	(1.32)	(13.9)	(2.12)	(4.06)	(6.77)	(2.12)	(11.6)	(59.5)	(2.12)
mesh_L	0.705***	0.271	0.507**	0.767*	0.791	0.507**	-0.288	-7.03	0.507**
	(0.232)	(0.512)	(0.221)	(0.442)	(0.701)	(0.221)	(1.63)	(6.86)	(0.221)
mesh_M	3.86***	28.1***	3.64**	2.07*	2.38	3.64**	5.71***	35.3***	3.64**
	(1.37)	(8.34)	(1.48)	(1.05)	(1.91)	(1.48)	(1.73)	(12.9)	(1.48)
mesh_N	1.58***	3.10	1.47**	1.73**	3.65*	1.47**	3.14**	3.23	1.47**
	(0.571)	(2.86)	(0.549)	(0.724)	(2.02)	(0.549)	(1.48)	(8.23)	(0.549)
mesh_Z	2.05**	14.2	2.75***	0.203	5.28	2.75***	5.46**	20.0	2.75***
	(0.818)	(13.2)	(0.951)	(1.23)	(5.09)	(0.951)	(2.68)	(21.2)	(0.951)
mesh_n	-0.222	5.08	-0.408	-0.686	1.26	-0.408	1.70	14.4	-0.408
	(1.34)	(6.55)	(1.27)	(0.891)	(2.36)	(1.27)	(2.19)	(14.2)	(1.27)
AlphaFold × Counterfactual AI	-0.006	-0.009	-0.004	0.004	-0.004	-0.004	-0.056	-0.093	-0.004
	(0.019)	(0.052)	(0.020)	(0.015)	(0.041)	(0.020)	(0.044)	(0.148)	(0.020)
AlphaFold × Counterfactual No AI	-0.015	-0.033	0.003	-0.011	-0.002	0.003	-0.035	-0.059	0.003
	(0.091)	(0.111)	(0.079)	(0.013)	(0.037)	(0.079)	(0.100)	(0.122)	(0.079)
AlphaFold - Method × Counterfactual AI - Method	0.022	0.030	-0.0006	0.011	-0.001	-0.0006	0.023	0.024	-0.0006
	(0.015)	(0.025)	(0.013)	(0.011)	(0.010)	(0.013)	(0.027)	(0.056)	(0.013)
AlphaFold - Method × Counterfactual No AI - Method	-0.004**	-0.004**	-0.008**	-0.0008	-0.001	-0.008**	-0.004***	-0.005**	-0.008**
	(0.002)	(0.002)	(0.004)	(0.0006)	(0.0009)	(0.004)	(0.002)	(0.002)	(0.004)
Fixed-effects									
pi_id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
quarter_year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_cited_by_count	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_2yr_mean_citedness	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_h_index	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Dependent Variable:	pdb_submission								
	All Fields			Molecular Biology			Medicine		
	All PDB	High PDB	CEM	All PDB	High PDB	CEM	All PDB	High PDB	CEM
AlphaFold	0.031***	0.100***	0.034***	0.038***	0.118**	0.034***	0.021***	0.032	0.034***
	(0.007)	(0.035)	(0.007)	(0.013)	(0.051)	(0.007)	(0.007)	(0.049)	(0.007)
Counterfactual AI	0.017**	0.018	0.014	0.025	0.011	0.014	0.024	0.014	0.014
	(0.007)	(0.026)	(0.009)	(0.015)	(0.047)	(0.009)	(0.017)	(0.074)	(0.009)
Counterfactual No AI	0.008	0.023	0.007	0.013	0.046	0.007	0.005	-0.008	0.007
	(0.007)	(0.042)	(0.008)	(0.015)	(0.073)	(0.008)	(0.007)	(0.042)	(0.008)
AlphaFold - Method	0.002	-0.013	0.002	0.011*	0.005	0.002	0.002	-0.004	0.002
	(0.003)	(0.008)	(0.004)	(0.006)	(0.017)	(0.004)	(0.004)	(0.010)	(0.004)
Counterfactual AI - Method	0.005	-0.002	0.009	-0.001	-0.021	0.009	0.005	-0.044	0.009
	(0.007)	(0.033)	(0.010)	(0.013)	(0.052)	(0.010)	(0.017)	(0.064)	(0.010)
Counterfactual No AI - Method	0.021**	0.033	0.023**	0.039	0.063**	0.023**	0.017**	0.024	0.023**
	(0.008)	(0.020)	(0.009)	(0.025)	(0.028)	(0.009)	(0.007)	(0.015)	(0.009)
field_agricultural_and_biological_sciences	0.122	4.73**	0.099	-0.204	3.32	0.099	4.52***	18.8***	0.099
	(0.190)	(2.04)	(0.208)	(0.627)	(2.84)	(0.208)	(1.22)	(6.22)	(0.208)
field_arts_and_humanities	0.926*	5.32	0.922	5.08	18.7	0.922	-1.61	6.39	0.922
	(0.532)	(5.81)	(0.583)	(5.36)	(32.1)	(0.583)	(1.78)	(54.0)	(0.583)
field_biochemistry_genetics_and_molecular_biology	1.74***	5.62***	1.84***	1.30***	3.33***	1.84***	0.517*	1.74	1.84***
	(0.377)	(0.996)	(0.393)	(0.276)	(0.846)	(0.393)	(0.289)	(2.44)	(0.393)
field_business_management_and_accounting	0.139	17.1	-0.005	1.99	12.9	-0.005	-1.91	-9.13	-0.005
	(1.51)	(12.0)	(1.85)	(3.06)	(18.8)	(1.85)	(1.84)	(63.8)	(1.85)
field_chemical_engineering	-1.44	7.05	-2.10	2.24	27.7	-2.10	-4.74	29.7	-2.10
	(1.92)	(15.5)	(1.98)	(3.98)	(23.3)	(1.98)	(7.55)	(105.0)	(1.98)
field_chemistry	1.90***	5.25***	2.30***	3.18***	4.12	2.30***	3.32**	0.962	2.30***
	(0.498)	(1.62)	(0.579)	(0.958)	(2.81)	(0.579)	(1.49)	(5.33)	(0.579)
field_computer_science	-0.248	-4.37	-0.117	-0.525	-4.38	-0.117	0.871	-0.081	-0.117
	(0.514)	(4.32)	(0.601)	(1.02)	(6.69)	(0.601)	(2.49)	(18.3)	(0.601)
field_decision_sciences	0.320	18.2	0.316	2.47	29.5	0.316	-3.95**	-49.7	0.316
	(0.557)	(13.7)	(0.626)	(3.11)	(21.1)	(0.626)	(1.76)	(50.5)	(0.626)
field_dentistry	0.584	5.60	0.834	1.38	9.87	0.834	0.575	32.5	0.834
	(0.727)	(8.24)	(0.857)	(2.03)	(9.19)	(0.857)	(2.26)	(26.3)	(0.857)
field_earth_and_planetary_sciences	-1.21*	-5.51***	-1.22	-0.579	-0.733	-1.22	-11.2	-70.6	-1.22
	(0.631)	(2.00)	(0.740)	(2.74)	(15.6)	(0.740)	(6.79)	(50.4)	(0.740)
field_economics_econometrics_and_finance	0.402	9.59	0.823	-0.182	43.5	0.823	-1.14	-9.52	0.823
	(0.547)	(12.3)	(0.658)	(3.09)	(37.3)	(0.658)	(0.959)	(25.5)	(0.658)
field_energy	2.81*	3.38	3.10*	7.97**	13.1	3.10*	-0.871	-37.3*	3.10*
	(1.52)	(6.08)	(1.65)	(3.57)	(9.08)	(1.65)	(4.57)	(21.0)	(1.65)
field_engineering	-0.555*	-1.14	-0.674**	-0.940	2.92	-0.674**	-1.07	-13.3	-0.674**
	(0.289)	(1.75)	(0.312)	(0.827)	(3.30)	(0.312)	(0.942)	(8.62)	(0.312)
field_environmental_science	1.58***	7.13***	1.66***	2.82***	10.9***	1.66***	6.00***	24.1*	1.66***
	(0.376)	(1.71)	(0.421)	(0.943)	(3.75)	(0.421)	(1.94)	(13.6)	(0.421)
field_health_professions	-0.382	-1.25	-0.309	-1.65	-1.43	-0.309	-1.02*	-12.6	-0.309
	(0.412)	(6.90)	(0.494)	(2.03)	(19.5)	(0.494)	(0.592)	(11.7)	(0.494)
field_immunology_and_microbiology	1.17*	6.93**	0.910*	-0.485	-0.076	0.910*	0.892	6.00	0.910*
	(0.600)	(3.02)	(0.463)	(0.636)	(3.09)	(0.463)	(0.706)	(5.34)	(0.463)
field_materials_science	1.50***	3.02**	1.65***	5.66***	10.7***	1.65***	8.67***	36.7***	1.65***
	(0.443)	(1.26)	(0.499)	(1.17)	(3.19)	(0.499)	(2.43)	(11.8)	(0.499)
field_mathematics	-0.352	-7.54	-0.307	-3.62*	-35.0	-0.307	0.334	-3.93	-0.307
	(0.612)	(10.5)	(0.840)	(1.88)	(29.7)	(0.840)	(1.25)	(15.3)	(0.840)
field_medicine	0.594**	4.41***	0.577**	0.245	2.76**	0.577**	0.190	-1.56	0.577**
	(0.235)	(1.05)	(0.246)	(0.275)	(1.20)	(0.246)	(0.165)	(1.39)	(0.246)
field_neuroscience	1.27***	12.0***	1.30**	3.15***	20.1***	1.30**	-0.670	-5.76	1.30**
	(0.448)	(3.92)	(0.507)	(1.11)	(6.49)	(0.507)	(0.520)	(7.60)	(0.507)
field_nursing	1.02	10.7**	1.45**	3.48**	9.99	1.45**	0.286	16.7	1.45**
	(0.615)	(5.05)	(0.656)	(1.66)	(7.05)	(0.656)	(0.998)	(17.3)	(0.656)
field_pharmacology_toxicology_and_pharmaceutics	0.500	5.69	0.781	2.52	11.5*	0.781	-2.23*	-31.7***	0.781
	(0.633)	(4.21)	(0.788)	(1.69)	(5.73)	(0.788)	(1.22)	(9.58)	(0.788)
field_physics_and_astronomy	0.183	-2.36	0.039	-0.349	-6.63	0.039	2.07	-2.72	0.039
	(0.411)	(2.55)	(0.466)	(1.87)	(4.98)	(0.466)	(3.01)	(20.8)	(0.466)
field_psychology	-0.057	7.47	0.150	1.23	16.5	0.150	-0.178	-6.79	0.150
	(0.354)	(7.96)	(0.400)	(2.27)	(22.6)	(0.400)	(0.491)	(15.6)	(0.400)
field_social_sciences	-0.894*	-6.36	-1.29**	-0.533	-5.54	-1.29**	-2.40***	-15.7	-1.29**
	(0.465)	(3.88)	(0.592)	(1.75)	(10.6)	(0.592)	(0.794)	(15.0)	(0.592)
field_veterinary	-1.86**	0.778	-1.96**	-5.75	4.49	-1.96**	-3.07**	-17.8	-1.96**
	(0.724)	(6.90)	(0.801)	(3.52)	(18.5)	(0.801)	(1.43)	(18.4)	(0.801)
mesh_	0.571	4.21	-0.303	1.77	8.53	-0.303	3.08	-10.1	-0.303
	(2.88)	(23.3)	(2.48)	(7.02)	(34.3)	(2.48)	(4.30)	(59.2)	(2.48)
mesh_A	-1.86***	-10.6***	-2.02***	-2.49***	-8.47***	-2.02***	-2.25***	-11.5***	-2.02***
	(0.190)	(1.56)	(0.192)	(0.321)	(2.23)	(0.192)	(0.406)	(3.29)	(0.192)
mesh_B	1.07***	7.14***	1.06***	1.38***	5.45***	1.06***	3.23***	12.8***	1.06***
	(0.175)	(1.48)	(0.195)	(0.356)	(1.79)	(0.195)	(0.761)	(4.63)	(0.195)
mesh_C	-1.26***	-7.61***	-1.31***	-1.91***	-6.68***	-1.31***	-1.36***	-7.18**	-1.31***
	(0.163)	(1.59)	(0.171)	(0.300)	(2.21)	(0.171)	(0.186)	(3.30)	(0.171)
mesh_D	1.83***	6.92***	1.93***	2.75***	6.93***	1.93***	1.83***	6.63***	1.93***
	(0.131)	(0.703)	(0.154)	(0.236)	(0.869)	(0.154)	(0.251)	(1.60)	(0.154)
mesh_E	2.92***	19.4***	3.17***	5.53***	20.6***	3.17***	3.01***	32.0***	3.17***
	(0.293)	(2.01)	(0.327)	(0.623)	(2.83)	(0.327)	(0.524)	(7.53)	(0.327)
mesh_F	-0.700**	-5.07	-0.687*	-1.17	-0.657	-0.687*	-1.15**	-8.97	-0.687*
	(0.302)	(5.49)	(0.357)	(0.872)	(8.76)	(0.357)	(0.439)	(13.9)	(0.357)
mesh_G	1.58***	5.64***	1.65***	1.98***	5.22***	1.65***	1.75***	8.64***	1.65***
	(0.141)	(0.928)	(0.154)	(0.238)	(1.21)	(0.154)	(0.443)	(3.03)	(0.154)
mesh_H	-2.22***	-8.61	-2.17***	-3.17***	-8.77	-2.17***	-2.97**	-35.5*	-2.17***
	(0.554)	(5.62)	(0.621)	(0.947)	(9.54)	(0.621)	(1.26)	(20.0)	(0.621)
mesh_I	0.340	-29.9**	0.401	-0.482	-115.4***	0.401	-1.19	-63.3*	0.401
	(0.474)	(14.3)	(0.533)	(2.15)	(29.7)	(0.533)	(1.04)	(34.3)	(0.533)
mesh_J	-1.74***	-10.3***	-1.82***	-4.20***	-13.6***	-1.82***	-3.59***	0.761	-1.82***
	(0.244)	(2.89)	(0.268)	(0.604)	(3.60)	(0.268)	(0.967)	(17.4)	(0.268)
mesh_K	0.619	-5.79	0.197	-5.00	-25.3	0.197	1.42	141.9*	0.197
	(1.22)	(30.2)	(3.07)	(5.73)	(40.3)	(3.07)	(6.31)	(81.4)	(3.07)
mesh_L	-0.472*	-0.343	-0.482	-1.49***	-0.585	-0.482	2.29*	7.19	-0.482
	(0.264)	(2.73)	(0.320)	(0.490)	(3.43)	(0.320)	(1.18)	(12.7)	(0.320)
mesh_M	0.394	-1.14	0.418	1.43**	-0.704	0.418	0.228	4.67	0.418
	(0.297)	(6.79)	(0.323)	(0.606)	(6.78)	(0.323)	(0.534)	(14.9)	(0.323)
mesh_N	-0.957***	-17.9***	-1.01***	-3.17***	-28.1***	-1.01***	-0.704**	-11.3	-1.01***
	(0.166)	(3.58)	(0.167)	(0.610)	(7.03)	(0.167)	(0.282)	(7.95)	(0.167)
mesh_Z	-0.126	-6.91	-0.003	1.31	13.9	-0.003	-1.95**	-39.0**	-0.003
	(0.440)	(7.85)	(0.563)	(1.06)	(17.9)	(0.563)	(0.714)	(19.1)	(0.563)
mesh_n	-1.98***	-7.86	-2.18***	-5.28***	-16.5*	-2.18***	-1.82**	-17.1	-2.18***
	(0.474)	(5.97)	(0.534)	(1.17)	(9.25)	(0.534)	(0.806)	(16.3)	(0.534)
AlphaFold × Counterfactual AI	0.020	0.089	0.025	0.002	0.066	0.025	-0.008	-0.302	0.025
	(0.033)	(0.106)	(0.039)	(0.049)	(0.140)	(0.039)	(0.058)	(0.219)	(0.039)
AlphaFold × Counterfactual No AI	-0.026*	-0.076	-0.028*	0.0004	0.039	-0.028*	-0.025*	-0.090*	-0.028*
	(0.014)	(0.061)	(0.015)	(0.036)	(0.120)	(0.015)	(0.013)	(0.052)	(0.015)
AlphaFold - Method × Counterfactual AI - Method	-0.024	-0.096***	-0.046**	-0.038	-0.108***	-0.046**	0.026	0.047	-0.046**
	(0.019)	(0.024)	(0.022)	(0.041)	(0.026)	(0.022)	(0.025)	(0.070)	(0.022)
AlphaFold - Method × Counterfactual No AI - Method	-0.001	-0.001	-0.0002	-0.002	-0.003	-0.0002	-0.001	-0.001	-0.0002
	(0.0007)	(0.001)	(0.002)	(0.002)	(0.002)	(0.002)	(0.001)	(0.003)	(0.002)
Fixed-effects									
pi_id	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
quarter_year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_cited_by_count	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Dependent Variable:	
	All
AlphaFold	-0.
	(0.
Counterfactual AI	-1
	(1
Counterfactual No AI	-1
	(0.
AlphaFold - Method	0.
	(0.
Counterfactual AI - Method	0.
	(0.
Counterfactual No AI - Method	0.
	(0.
field_agricultural_and_biological_sciences	19
field_arts_and_humanities	(10
	-3
field_biochemistry_genetics_and_molecular_biology	(32
	126
field_business_management_and_accounting	(2
	6
field_chemical_engineering	(9
	-8
field_chemistry	(18
	3
field_computer_science	(11
	23
field_decision_sciences	(20
	-1
field_dentistry	(7
	-2
field_earth_and_planetary_sciences	(13
	7,85
field_economics_econometrics_and_finance	(2,8
	143
field_energy	(3
	-1
field_engineering	(13
	-9
field_environmental_science	(15
	-1
field_health_professions	(37
	162
field_immunology_and_microbiology	(3
	150
field_materials_science	(3
	180
field_mathematics	(3
	4
field_medicine	(9
	156
field_neuroscience	(2
	52
field_nursing	(2
	91.
field_pharmacology_toxicology_and_pharmaceutics	(2
	106
field_physics_and_astronomy	(3
	3,2
field_psychology	(4,0
	4
field_social_sciences	(4
	4
field_veterinary	(3
	15
mesh_	(8
	-6
mesh_A	(9
	0.
mesh_B	(1
	-3
mesh_C	(2
	1
mesh_D	(1
	-1
mesh_E	(7
	-3
mesh_F	(2
	5
mesh_G	(2
	-1
mesh_H	(1
	-6
mesh_I	(9
	-5
mesh_J	(8
	0.
mesh_K	(1
	-2
mesh_L	(24
	-3
mesh_M	(2
	10
mesh_N	(6
	-5
mesh_Z	(3
	-17
mesh_n	(10
	-1
AlphaFold × Counterfactual AI	(6
	1
AlphaFold × Counterfactual No AI	(1
	0.
AlphaFold - Method × Counterfactual AI - Method	(1
	0.
AlphaFold - Method × Counterfactual No AI - Method	(0.
	-0.
Fixed-effects	(0.
pi_id	Y
quarter_year	Y
institution_type	Y
institution_cited_by_count	Y
institution_2yr_mean_citedness	Y