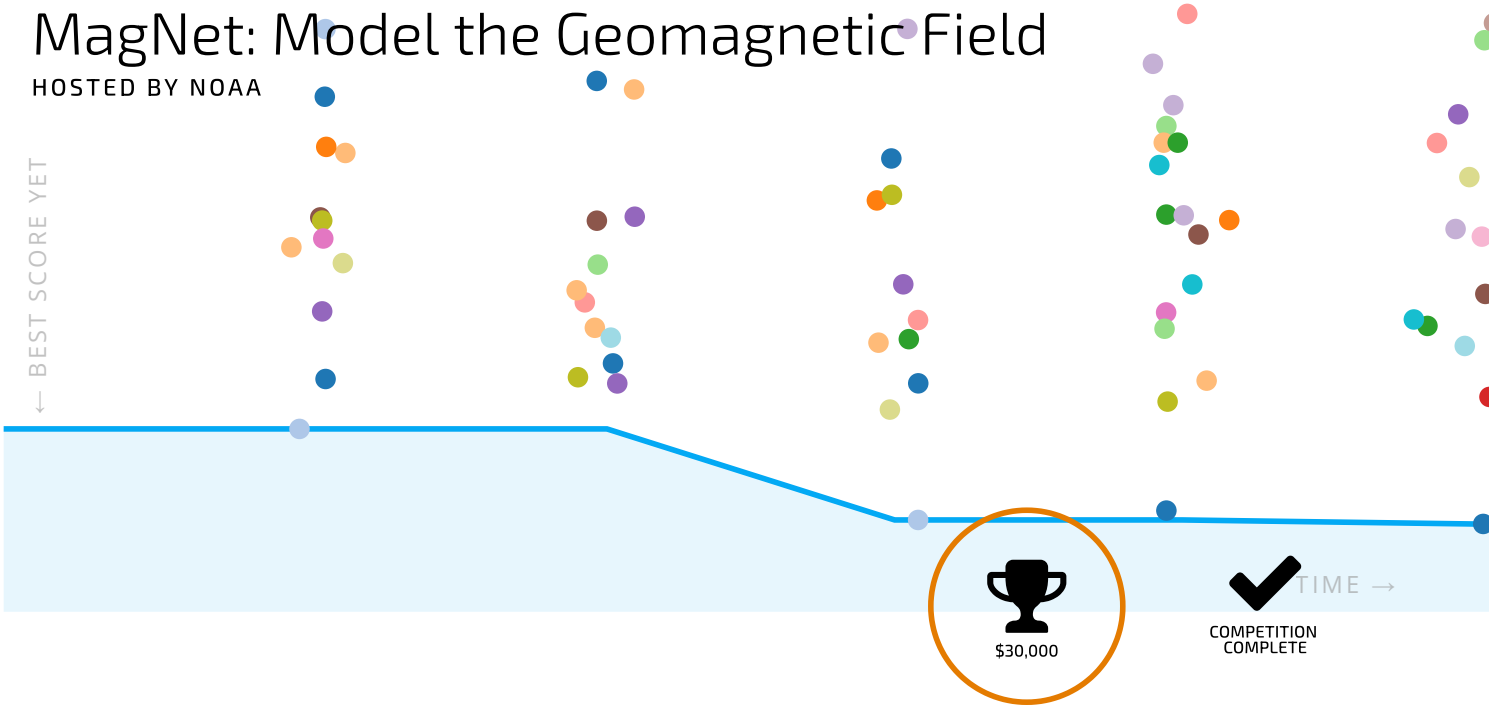

Woohoo! This competition has come to a close!

Many thanks to the participants for all of their hard work and commitment to using data for good!

Help NOAA better forecast changes in Earth's magnetic field! Improved models can provide more advanced warning of geomagnetic storms and reduce errors in magnetic navigation systems.

Quick Facts

PARTICIPANTS	622
NO. OF ENTRIES	1,197
PRIZE	$30,000
WINNER	(/users/Ammarali32/) Ammarali32 1ST PLACE

MagNet: Model the Geomagnetic Field

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LEADERBOARD RESULTS (/COMPETITIONS/73/NOAA-MAGNETIC-FORECASTING/LEADERBOARD/)

DATA DOWNLOAD (/COMPETITIONS/73/NOAA-MAGNETIC-FORECASTING/DATA/)

SUBMISSIONS (/COMPETITIONS/73/NOAA-MAGNETIC-FORECASTING/SUBMISSIONS/) 4

CODE EXECUTION STATUS (/COMPETITIONS/73/SUBMISSIONS/CODE/)

TEAM (/COMPETITIONS/73/NOAA-MAGNETIC-FORECASTING/TEAM/)

$30,000

COMPETITION COMPLETE

DISCUSSION (HTTPS://COMMUNITY.DRIVENDATA.ORG/C/MAGNET-MODEL-THE-GEOMAGNETIC-FIELD) 30

ANNOUNCEMENTS (/COMPETITIONS/73/NOAA-MAGNETIC-FORECASTING/ANNOUNCEMENTS/) 2

OFFICIAL RULES (/COMPETITIONS/73/NOAA-MAGNETIC-FORECASTING/RULES/)

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	User or team		Best private RMSE	Timestamp	Trend (last 10)	# Entries
	Ammarali32 (/users/Ammarali32/)	1	11.1311	2021-02-03 14:56:37		24
	belinda_trotta (/users/belinda_trotta/)	2	11.2532	2021-02-08 08:56:32		20
	LosExtraterrestres	3	11.2944	2021-02-08 04:30:18		17
	k_squared	4	11.5293	2021-02-11 09:56:59		20
	leigh.plt (/users/leigh.plt/)	5	11.6183	2021-02-04 06:26:26		15
	LastRocky (/users/LastRocky/)	6	11.6504	2021-02-08 07:43:21		6
	mchahhou (/users/mchahhou/)	7	11.8901	2021-02-12 13:09:20		9

MagNet: Model the Geomagnetic Field

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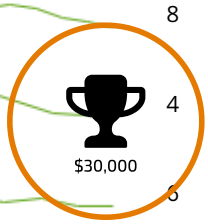
	User or team		Best private RMSE	Timestamp	Trend (last 10)	# Entries
	rudyklucik (/users/rudyklucik/)	8	12.0454	2021-02-11 17:53:12		18
	Geoeffectivenet	9	12.0934	2021-02-04 19:24:54		15
	Fissium (/users/Fissium/)	10	12.1709	2021-02-10 18:45:31		12
	Gretta_iorana	11	12.2093	2021-02-09 12:58:44		14
	savenature (/users/savenature/)	12	12.2132	2021-02-09 05:01:58		8
	ngcferreira (/users/ngcferreira/)	13	12.2638	2021-02-10 19:56:07		4
	NewInTown (/users/NewInTown/)	14	12.2818	2021-02-12 00:00:11		6
	kamelbenanaya (/users/kamelbenanaya/)	15	12.2936	2021-02-12 21:17:02		8
	jnice (/users/jnice/)	16	12.2944	2021-02-12 16:25:59		3
	amogil (/users/amogil/)	17	12.3331	2021-01-29 06:44:25		11
	Cosmic Force	18	12.3930	2021-01-04 19:30:56		15
	jackson5 (/users/jackson5/)	19	12.4926	2021-01-30 01:07:51		13
	deepb (/users/deepb/)	20	12.5052	2021-02-11 14:55:37		12
	3tees (/users/3tees/)	21	12.6541	2020-12-26 05:58:36		3
	irregularity (/users/irregularity/)	22	12.6884	2021-02-05 14:57:21		6
	DaJiangYou	23	12.9517	2021-02-11 05:47:28		15
	neurocomputing (/users/neurocomputing/)	24	12.9644	2021-01-10 07:42:03		10
	mltsw (/users/mltsw/)	25	12.9943	2021-01-04 22:49:15		7
	youssou (/users/youssou/)	26	13.0829	2021-01-12 04:09:58		8
	I lost my wife to data science	27	13.2140	2021-02-08 21:59:28		2
	SimonB (/users/SimonB/)	28	13.3773	2021-02-10 10:57:56		11



MagNet: Model the Geomagnetic Field

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	User or team		Best private RMSE	Timestamp	Trend (last 10)	# Entries
	Sartji (/users/Sartji/)	29	13.4623	2021-01-10 23:47:39		5
	adalseno (/users/adalseno/)	30	13.5665	2021-01-29 22:51:37		10
	Rustam (/users/Rustam/)	31	13.7338	2021-02-10 19:00:53		3
	UM Solstice	32	13.8521	2021-02-03 17:32:21		4
	gowrishankarin (/users/gowrishankarin/)	33	13.8534	2020-12-23 12:53:54		9
	BlackHoleSun	34	13.8691	2021-01-17 20:56:46		1
	ds_aueb	35	14.0397	2021-02-11 11:21:43		3
	hill-forest	36	14.1238	2021-02-05 14:22:46		3
	greglucas (/users/greglucas/)	37	14.2263	2021-01-06 18:40:26		1
	geetu (/users/geetu/)	38	14.3769	2021-01-22 16:35:03		4
	VT-SD	39	14.4797	2021-01-16 20:19:32		12
	kingabzpro (/users/kingabzpro/)	40	14.5263	2021-02-03 00:06:03		12
	SpacePants	41	14.5359	2021-01-07 17:53:26		2
	SINP MSU	42	14.5733	2021-02-11 23:55:55		2
	diklnuftv (/users/diklnuftv/)	43	14.6351	2020-12-25 10:28:13		3
	theworst (/users/theworst/)	44	14.6709	2021-01-13 17:33:27		10
	Electric spiders	45	14.6709	2021-01-13 17:35:38		2
	ISG-UAH	46	14.7291	2021-01-26 17:18:24		2
	sbentley (/users/sbentley/)	47	14.7481	2021-02-12 18:24:05		2
	plasmicshree (/users/plasmicshree/)	48	14.8335	2021-01-26 04:43:10		2

$30,000

COMPETITION COMPLETE

(https://gitlab.com/drivendata-competitions/magnet-model-the-geomagnetic-field)

MagNet: Model the Geomagnetic Field

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	User or team		Best private RMSE	Timestamp	Trend (last 10)	# Entries
	nkm.email (/users/nkm.email/)	49	14.9129	2021-01-21 21:23:35		2
	gfigueiro (/users/gfigueiro/)	50	14.9288	2021-01-28 21:04:34		5
	Benchmark: LSTM (https://www.drivendata.co/blog/model-geomagnetic-field-benchmark/)		16.3293			

DRIVENDATA

$30,000

COMPETITION COMPLETE

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