

Knowledge Base:

The top 10 terms that we looked at to see what would go in the knowledge base were the words: Messi, Lionel, Argentina, PSG, Ronaldo, Rosario, Mbappe, Goals, Assists, Forward. The reason we chose these words was that it was a mix of personal, professional, and statistical facts about Lionel Messi. The reason this is good for us is because when creating our knowledge base for a chatbot, we wanted our chatbot to do more than just give out playing stats about Messi. Instead, we wanted our chatbot to be more sophisticated and have a more personal relation with the user. This way if a user says something such as how they are a Ronaldo fan, Messi's biggest rival, the chat bot will be able to register this and give out a witty and fun response to this. This helps make the chatbot more personable to the user and better for use. Along with this it allows for a broader range of conversation that can possibly in the future include topics about other soccer athletes. We decided to create our knowledge base by taking our top 10 terms and finding out what sentences had these terms in them. From there we stored all these sentences into a list and later pickled it to save the data. With sentences it makes it much easier for the chatbot to come up with fuller and more complex responses rather than one or two word responses. Below is our knowledge base

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{'messi': ['Wins 2363.0 27.0 96% 26.0 93% 26.0 93% 1.0 4% 2.0 0.0 0.0 30.0 2.0 0.0 12.0 Draws  
633.0 9.0 100% 6.0 67% 6.0 67% 3.0 33% 1.0 0.0 0.0 4.0 0.0 0.0 9.0 Defeats 0.0 0.0 0% 0.0 0%  
0.0 0% 0.0 0% 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 + statistics 2017-2018 Position J38 FC Barcelona - R.  
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Barcelona J33 Celta - FC Barcelona J32 FC Barcelona - Valencia J31 FC Barcelona - Leganés  
J30 Sevilla - FC Barcelona J29 FC Barcelona - Athletic J27 FC Barcelona - Atlético J26 Las
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 Getafe J22 Espanyol - FC Barcelona J21 FC Barcelona - Alavés J20 R. Betis - FC Barcelona J19
 R. Sociedad - FC Barcelona J18 FC Barcelona - Levante J17 R. Madrid - FC Barcelona J16 FC
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 Barcelona J12 Leganés - FC Barcelona J11 FC Barcelona - Sevilla J10 Athletic - FC Barcelona
 J9 FC Barcelona - Málaga J8 Atlético - FC Barcelona J7 FC Barcelona - Las Palmas J6 Girona -
 FC Barcelona J5 FC Barcelona - Eibar J4 Getafe - FC Barcelona J3 FC Barcelona - Espanyol J2
 Alavés - FC Barcelona J1 FC Barcelona - R. Betis LaLigaStats LaLigaFantasy +Information
 International Yes Place of birth Rosario (Argentina) Web <http://www.leomessi.com/> Facebook
<https://www.facebook.com/LeoMessi> Instagram <https://instagram.com/leo10messi> Matches
 played last season 0 Goals last season 0 Cards last season 0 Career 2004-Actualidad: Barcelona
 Achievements 4 Champions League (2005/06, 08/09, 10/11, 14/15); 8 Ligas (2004/05, 05/06,
 08/09, 09/10, 10/11, 12/13, 14/15, 15/16); 3 Copas del Rey (2008/09, 11/12, 14/15); 3
 Supercopas de Europa (2009, 2011, 2015); 7 Supercopas de España (2005, 2006, 2009, 2010,
 2011, 2013, 2016); 2 Mundiales de Clubes (2009, 2011)
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 target='_blank' onclick="gtm_event('\Redes Sociales\', \'Instagram\', \'Footer\', \'')"><span
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 Women's Football LaLiga 1|2|3 LaLiga 1|2|3 Calendar Stats archive Multimedia Fixtures
 Calendars Diary LaLiga Fútbol Femenino Results Standings Second Division Others Other

competitions LFP World Challenge LFP World Challenge Apps Apps Games Sponsors LaLiga
TV LaLiga Fantasy MARCA Transparencia La Quiniela Head to Head Logos LaLiga LaLiga
Offices Media zone LaLiga Ambassadors FIFA Covers 18 Player/coach of the month LaLiga
Experience Legal warning, privacy and cookies. ', 'In 20 years, young football fans will read
about a messianic figure whose brilliance stunned the world, shattered a litany of records and
started an era of dominance – but not until they watch the videos will they get an idea of what
they have missed. ', 'Luis [contestar] Messi messi es el Maximo goleador Deja tu comentario
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expresadas por los autores de los comentarios y se reserva el derecho a eliminar aquellos
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contra personas, productos empresas o instituciones que atenten contra el derecho a la intimidad,
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publicitarios Autor: Título: Texto: 500 caracteres disponibles Para evitar spam, por favor
resuelva este simple problema matematico e ingrese el resultado (pinche en la imagen para
recargarla). ', 'stats': ['Wins 2363.0 27.0 96% 26.0 93% 26.0 93% 1.0 4% 2.0 0.0 0.0 30.0 2.0 0.0
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(2009, 2011) <a href="http://www.laliga.es/en/apps/laliga-stats" class="sprite main
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class="instagram" target='_blank' onclick="gtm_event('\Redes Sociales', '\Instagram',
\Footer', '\')"> LaLiga Santander LaLiga
Santander Calendar Stats archive Multimedia News News LaLiga Santander News LaLiga 1|2|3
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LaLiga Offices Media zone LaLiga Ambassadors FIFA Covers 18 Player/coach of the month

LaLiga Experience Legal warning, privacy and cookies. '], 'records': ["Home Features FourFourTwo's 100 Greatest Footballers EVER: No.2, Lionel Messi By Thore Haugstad published 28 July 2017 Aged 30, he's broken all-time records while lifting a host of personal and club awards – yet it's only in watching Messi you can appreciate a one-off genius One way to try to express the greatness of Lionel Messi is to list his records and awards: the unrivalled five Ballon d'Ors, the 30 club trophies, the 91 goals in one calendar year, his status as top scorer of Argentina, Barcelona and La Liga. ", 'In 20 years, young football fans will read about a messianic figure whose brilliance stunned the world, shattered a litany of records and started an era of dominance – but not until they watch the videos will they get an idea of what they have missed. '], 'trophies': ["Home Features FourFourTwo's 100 Greatest Footballers EVER: No.2, Lionel Messi By Thore Haugstad published 28 July 2017 Aged 30, he's broken all-time records while lifting a host of personal and club awards – yet it's only in watching Messi you can appreciate a one-off genius One way to try to express the greatness of Lionel Messi is to list his records and awards: the unrivalled five Ballon d'Ors, the 30 club trophies, the 91 goals in one calendar year, his status as top scorer of Argentina, Barcelona and La Liga. "], 'goals': ["Home Features FourFourTwo's 100 Greatest Footballers EVER: No.2, Lionel Messi By Thore Haugstad published 28 July 2017 Aged 30, he's broken all-time records while lifting a host of personal and club awards – yet it's only in watching Messi you can appreciate a one-off genius One way to try to express the greatness of Lionel Messi is to list his records and awards: the unrivalled five Ballon d'Ors, the 30 club trophies, the 91 goals in one calendar year, his status as top scorer of Argentina, Barcelona and La Liga. ", 'Beauty and the best The quantity of his goals pale in comparison with their beauty. ', 'Never has Messi, now 30, better balanced playmaking, dribbling and goalscoring By now most know his story: how expensive medicine for a growth

hormone deficiency led him from his home town Rosario to Barcelona, where his 2004 debut started an era of brilliance. ', 'Never has Messi, now 30, better balanced playmaking, dribbling and goalscoring. ', 'You could argue that one of the greatest goalscorers of all time is also the best passer, and you would not lack evidence to support your claim. ', "Messi: The header to beat Manchester United in 2009 is still one of my favourite goals What happened when we met Lionel Messi – and let him edit FourFourTwo magazine The list 100 to 91 • 90 to 81 • 80 to 71 • 70 to 61 • 60 to 51 • 50 to 41 • 40 to 31 • 30 to 21 20 • 19 • 18 • 17 • 16 • 15 • 14 • 13 • 12 • 11 • 10 • 9 • 8 • 7 • 6 • 5 • 4 • 3 • 2 • 1 FourFourTwo's 100 Greatest Footballers EVER Thank you for reading 5 articles this month* Join now for unlimited access Enjoy your first month for just £1 / \$1 / €1 Join now Already have an account ? ", 'Poor Honduras conceded 15 goals and scored none in three consecutive defeats. ', 'of goals: 143 (average/game: 2.75) Top scorers: 6 goals: Messi (ARG) 5 goals: Llorente (ESP), Aliiev (UKR) Total attendance: 502,698 Average attendance: 9,667 googleoff: index English English Deutsch FranÃ§ais EspaÃ±ol PortuguÃªs Ø'Ø±Ø´Ù\x8a Ð Ñ\x83Ñ\x81Ñ\x81Ð°Ð,Ð' æ\x97¥æ\x9c¬è^\x9e googleon: index Copyright Â©1994 - 2015 FIFA.'], 'assists': ['Messi has the most recorded assists in La Liga's history, but that fact is less impressive than how they were made: the deft lay-offs, the ingenious killer passes, the deliveries that bend around defenders as if controlled by a remote. ']}]

Sample Dialog:

Hi there, My name is Messibot. I am the biggest Lionel Messi fan in the world and can tell you all you need to know about him. What is your name

My name is Dhruv Thoutireddy

Hi there Dhruv Thoutireddy, are you a fan of Lionel Messi?

Yes, I am a big fan of messi

Wow that is great to hear, did you know that Messi currently holds the record for the most Balon d'ors with 7!

That is really cool to know. What years did he win these awards?

Messi won his Balon d'ors in 2021, 2019, 2015, 2012, 2011, 2010, 2009.

That is really cool. What team does Messi currently play for?

Messi currently plays for the Ligue 1 team Paris Saint-Germain.

Did Messi play for any other team or has he only played for Paris Saint-Germain?

Messi has played for one other team before Paris Saint-Germain and that team was F.C. Barcelona

Wow, that is great to hear. Thank you Messibot.

You are welcome Dhruv Thoutiredy, is there anything else I can tell you about Lionel Messi?

No, that is all, thank you.