

improving*

Who are we?

Improving is a modern digital services company that offers IT consulting, software development, and agile training across the globe.





We have
presence
all over
North America

Awards & Recognition



Best Place To Code



Best Place To Work For IT



Mejores Lugares Para Trabajar LGBT



Pride Connection Mx



Fastest Growing Companies in Central Texas



Fastest Growing Companies



National Export Award



Premio Nacional del Emprendedor

National Entrepreneurship Award



Top International Vendor



State Export Award



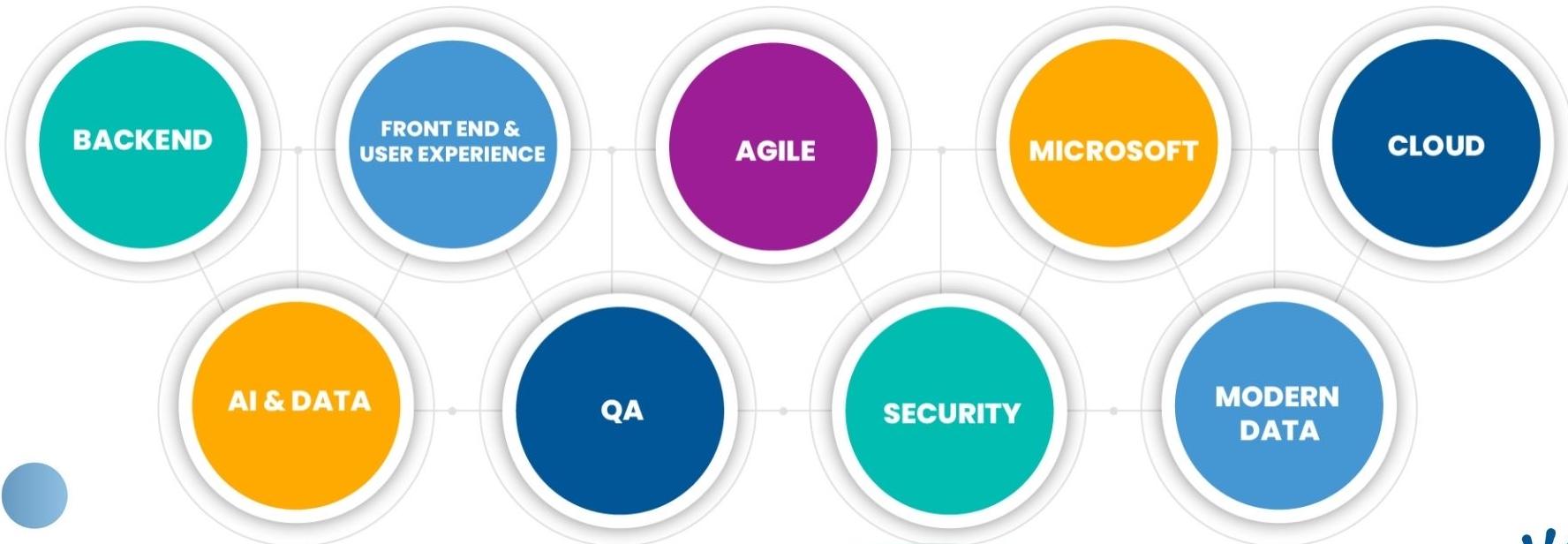
Mobile Innovation Award



Emerging Business of the Year



Improving Expertise



Improving Benefits



Major & minor
medical insurance



Wedding, maternity
and paternity Leave



Mental
health



Dental
health



Seniority
bonus



16 day vacations
& holidays



Life
insurance



Savings
program



Career
path



Udemy business
account



Discount and
promotions



Certifications
and trainings



Annual company
retreat



Total Pass for over 2,600
gyms across MX

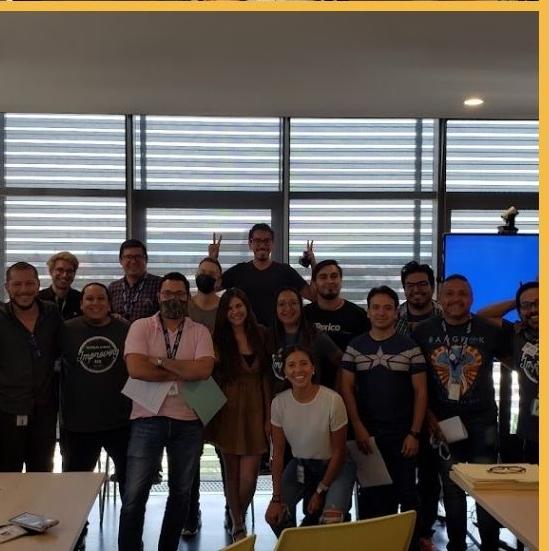


Rewards
program

This is...
improving









Follow us in Social Media!



Improving Nearshore



@ImprovingMxJobs



ImprovingMx Jobs



Improving Nearshore





StepFunction

Growth Copilot

Predicción y acción

Uso de IA en manejo de Datos

Exploración

Clasificación

Calidad

Análisis

Predicción

Uso de IA en manejo de Datos

Exploración
Clasificación
Calidad
Análisis
Predicción



Selección de tablas útiles
Relación entre tablas
Traducción entre IDs
Selección de campos
Métricas generales

Uso de IA en manejo de Datos

Exploración
Clasificación
Calidad
Análisis
Predicción



Tema del objeto:
Ventas / Uso / Soporte / CRM

Granularidad:
Transaccional / Diario / Mensual

Descriptivo - Comportamiento

Preclasificación de campos

Uso de IA en manejo de Datos

Exploración
Clasificación
Calidad
Análisis
Predicción



Advertencias:
Nulos, Duplicados, Variación

Sugerencias:
Filtros, Reemplazos, Formatos

Identificación de casos atípicos

Corrección de errores

Uso de IA en manejo de Datos

Exploración

Clasificación

Calidad

Análisis

Predicción



Estadísticas para validación de
métricas de negocio

Correlaciones y patrones

Uso de IA en manejo de Datos

Exploración
Clasificación
Calidad
Análisis
Predicción





StepFunction

Predicción

Validación de predicciones contra histórico
Con datos históricos limitados

Acción

Validación acciones y resultados en la atención al cliente
Retroalimentación para generar mejores sugerencias

Your Dataset Has Missing Values? Do Nothing!

Models can handle missing values out-of-the-box more effectively than imputation methods. An empirical proof

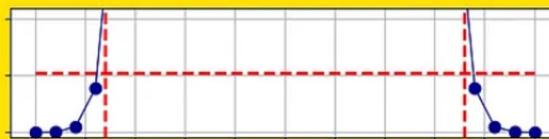


Samuele Mazzanti · [Follow](#)

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665

5



Data Engineering: Zero ETL Past, LLM new future of Data Engineering



Rahul Singh · [Follow](#)

5 min read · May 5

57

1



Author: Rahul Singh

New Data Stack Evolve

Data Engineering Zero ETL Past LLM new future of Data

Get Ready for Advance Data Stack

Author:
RAHUL SINGH



SQL

Perform a SELECT SQL query to create the next dataset

Apply only one query at a time.

Generate



CASE_CATALOG_TYPE	TEXT
CASE_CATEGORY	TEXT
CASE_CLOSEDDATE_DT	TIMESTAMP
CASE_COUNT_OWNER	TEXT
CASE_COUNT_PROVIDE...	TEXT
CASE_COUNT_STATUS	TEXT
CASE_CREATEDDATE_DT	TIMESTAMP
CASE_CURRENT_PROVIDI...	TEXT
CASE_DIRECTLY__DIREC...	TEXT
CASE_DISC_FEES	TEXT
CASE_DISC_OVERRIDE_F...	TEXT
CASE_ESCALATED_BY_ID	TEXT
CASE_ESCALATED_DATE...	TEXT

Run

SQL

Perform a SELECT SQL query to create the next dataset

Apply only one query at a time.

```
convert case_createddate_dt to varchar and in format "yyyy-mm"
```

Generate



CASE_CATALOG_TYPE	TEXT
CASE_CATEGORY	TEXT
CASE_CLOSEDDATE_DT	TIMESTAMP
CASE_COUNT_OWNER	TEXT
CASE_COUNT_PROVIDE...	TEXT
CASE_COUNT_STATUS	TEXT
CASE_CREATEDDATE_DT	TIMESTAMP
CASE_CURRENT_PROVID...	TEXT
CASE_DIRECTLY__DIREC...	TEXT
CASE_DISC_FEES	TEXT
CASE_DISC_OVERRIDE_F...	TEXT
CASE_ESCALATED_BY_ID	TEXT
CASE_ESCALATED_DATE...	TEXT

Run

SQL

Perform a SELECT SQL query to create the next dataset

Apply only one query at a time.

```
convert case_createddate_dt to varchar and in format "yyyy-mm"
```

 Generate

```
1  
2  
3 CREATE TABLE cases (  
4     case_id INT PRIMARY KEY,  
5     case_createddate_dt DATE,  
6     case_status VARCHAR(20)  
7 )
```

CASE_CATALOG_TYPE	TEXT
CASE_CATEGORY	TEXT
CASE_CLOSEDDATE_DT	TIMESTAMP
CASE_COUNT_OWNER	TEXT
CASE_COUNT_PROVIDE...	TEXT
CASE_COUNT_STATUS	TEXT
CASE_CREATEDDATE_DT	TIMESTAMP
CASE_CURRENT_PROVID...	TEXT
CASE_DIRECTLY__DIREC...	TEXT
CASE_DISC_FEES	TEXT
CASE_DISC_OVERRIDE_F...	TEXT
CASE_ESCALATED_BY_ID	TEXT
CASE_ESCALATED_DATE...	TEXT

 Run



*Only when you know the
question will you know
what the answer means.*



remove the image column, add also honda xre300, yamaha lander xtz250 and sort them by power to weight ratio

Motorcycle	Weight (dry)	Horsepower	Power-to-weight ratio
KTM 890 Adventure R	517 lbs (235 kg)	105 hp	0.203 hp/lb
Husqvarna Svartpilen 701	439 lbs (199 kg)	75 hp	0.171 hp/lb
Yamaha Tenere 700	449 lbs (204 kg)	73 hp	0.162 hp/lb
Husqvarna Svartpilen 401	364 lbs (165 kg)	43 hp	0.118 hp/lb
KTM 390 Adventure	357 lbs (162 kg)	43 hp	0.120 hp/lb
Kawasaki Versys-X 300	375 lbs (170 kg)	39 hp	0.104 hp/lb
BMW G 310 GS	374 lbs (170 kg)	34 hp	0.091 hp/lb
Honda CRF300L Rally	315 lbs (143 kg)	27 hp	0.085 hp/lb
Kawasaki KLX300SM	319 lbs (145 kg)	33 hp	0.103 hp/lb
Suzuki V-Strom 250	364 lbs (165 kg)	26 hp	0.071 hp/lb
Honda XRE300	308 lbs (140 kg)	25 hp	0.081 hp/lb



keep all weights on kgs only, add price, add honda xr 190l, suzuki dr 200s, kawasaki z400, kawasaki klx300



Motorcycle	Weight (dry)	Horsepower	Power-to-weight ratio	Price
KTM 890 Adventure R	235 kg	105 hp	0.203 hp/kg	\$13,499
Husqvarna Svartpilen 701	199 kg	75 hp	0.171 hp/kg	\$11,399
Yamaha Tenere 700	204 kg	73 hp	0.162 hp/kg	\$9,999
Husqvarna Svartpilen 401	165 kg	43 hp	0.118 hp/kg	\$5,999
KTM 390 Adventure	162 kg	43 hp	0.120 hp/kg	\$6,499
Kawasaki Versys-X 300	170 kg	39 hp	0.104 hp/kg	\$4,999
BMW G 310 GS	170 kg	34 hp	0.091 hp/kg	\$5,699
Honda CRF300L Rally	143 kg	27 hp	0.085 hp/kg	\$5,499
Kawasaki KLX300	142 kg	26 hp	0.092 hp/kg	\$4,399
Suzuki V-Strom 250	165 kg	26 hp	0.071 hp/kg	\$4,799
Honda XRE300	140 kg	25 hp	0.081 hp/kg	\$4,299



can you show me the detail for the power-to-weight ratio of the triumph scrambler?



The Triumph Scrambler 400X has a power-to-weight ratio of 0.106 hp/kg. This means that for every kilogram of weight, the Scrambler 400X has 0.106 horsepower.

To calculate this, we divide the Scrambler 400X's horsepower (37 hp) by its weight (179 kg):

$$\text{Power-to-weight ratio} = 37 \text{ hp} / 179 \text{ kg} = 0.106 \text{ hp/kg}$$

A higher power-to-weight ratio means that the motorcycle has more power relative to its weight, and will therefore accelerate faster. However, it is important to note that power-to-weight ratio is not the only factor that affects acceleration. Other factors, such as the motorcycle's gearing and aerodynamics, also play a role.

The Triumph Scrambler 400X has a relatively average power-to-weight ratio for a motorcycle of its class. However, it is still a capable performer, and is capable of accelerating quickly from a standstill. It is also worth noting that the Scrambler 400X is designed to be a versatile motorcycle, and is not focused solely on performance. It is also comfortable and easy to ride, making it a good choice for a wide range of riders.





please divide 37 by 179



◆ 37 divided by 179 is approximately 0.20670391061452514.

You can also use a calculator to divide 37 by 179. Simply enter the numbers into the calculator and press the divide button. The calculator will display the answer, which is 0.20670391061452514.



**Oh no,
not again.**



Atlan AI - Documentation in seconds

FCT_ORDERS

TABLE ANALYTICS WIDE_WORLD_IMPORTERS

Overview Columns 24 Description The FCT_ORDERS table

Description

The FCT_ORDERS table contains information about customer orders. It includes details such as the order number, package ID, and description associated with each order.

Certificate

Verified by peterswigert 8 hours ago

Column preview

#	Column Name	Type	Length	Nullable	Default Value	PK	FK	Index	Unique	Check Constraint	Collation	Statistics	Comments
1	ORDER_ID	INT	10	NO		Y							
2	ORDER_LINE_ID	INT	10	NO									
3	ORDER_DESCRIPTION	VARCHAR	255	NO									
4	STOCK_ITEM_ID	INT	10	NO									
5	STOCK_ITEM_NAME	VARCHAR	255	NO									
6	BRAND	VARCHAR	255	NO									
7	UNIT_PRICE	DECIMAL	10,2	NO									
8	DISCOUNT	DECIMAL	10,2	NO									
9	QUANTITY	INT	10	NO									
10	SHIPMENT_DATE	DATE		NO									
11	SHIPMENT_ID	INT	10	NO									
12	SHIPMENT_STATUS	VARCHAR	255	NO									
13	SHIPMENT_TYPE	VARCHAR	255	NO									
14	SHIPMENT_ORIGIN	VARCHAR	255	NO									
15	SHIPMENT_DESTINATION	VARCHAR	255	NO									
16	SHIPMENT_TRACKING	VARCHAR	255	NO									
17	SHIPMENT_SHIPPER	VARCHAR	255	NO									
18	SHIPMENT_RECEIVER	VARCHAR	255	NO									
19	SHIPMENT_SHIPPING_METHOD	VARCHAR	255	NO									
20	SHIPMENT_SHIPPING_DATE	DATE		NO									
21	SHIPMENT_SHIPPING_ADDRESS	VARCHAR	255	NO									
22	SHIPMENT_SHIPPING_CITY	VARCHAR	255	NO									
23	SHIPMENT_SHIPPING_STATE	VARCHAR	255	NO									
24	SHIPMENT_SHIPPING_POSTCODE	VARCHAR	255	NO									

AI generated content may be incorrect

Cancel Apply

Search 23 columns

Search 24 columns

Column Name

ORDER_ID

ORDER_LINE_ID

A ORDER_DESCRIPTION

STOCK_ITEM_ID

A STOCK_ITEM_NAME

A BRAND

THE ORDER_ID column in the FCT_ORDERS table uniquely identifies...

The ORDER_LINE_ID column in the FCT_ORDERS table uniquely...

The ORDER_DESCRIPTION column in the FCT_ORDERS table provid...

The STOCK_ITEM_ID column in the FCT_ORDERS table is a unique...

The STOCK_ITEM_NAME column in the FCT_ORDERS table contains...

The BRAND column in the FCT_ORDERS table within the ANALYTICS...

The UNIT PRICE column in the FCT_ORDERS table of the ANALYTIC...

JP Morgan pulls plug on deep learning model for FX algos

US bank turns to less complex models that are easier to explain to clients



JP Morgan has phased out a model that leverages machine learning technology for foreign exchange algorithmic execution, citing issues with data interpretation and the complexity involved.

**DON'T
PANIC**

IA necesita supervisión adulta

*Imagina a un ejército de asistentes con energía y acceso a internet
Quítales el sentido común, concentración, conciencia, memoria...
Sus errores serán impredecibles*

Trata a la inteligencia artificial como a un usuario

Valida su resultado

Visibiliza su proceso

Restringe su campo de acción

Niveles de integración

- 1. *Recomendaciones con confirmación***

- 2. *Sugerencias o acciones por defecto***

- 3. *Acción sin aviso***



So long and thanks for all the fish.