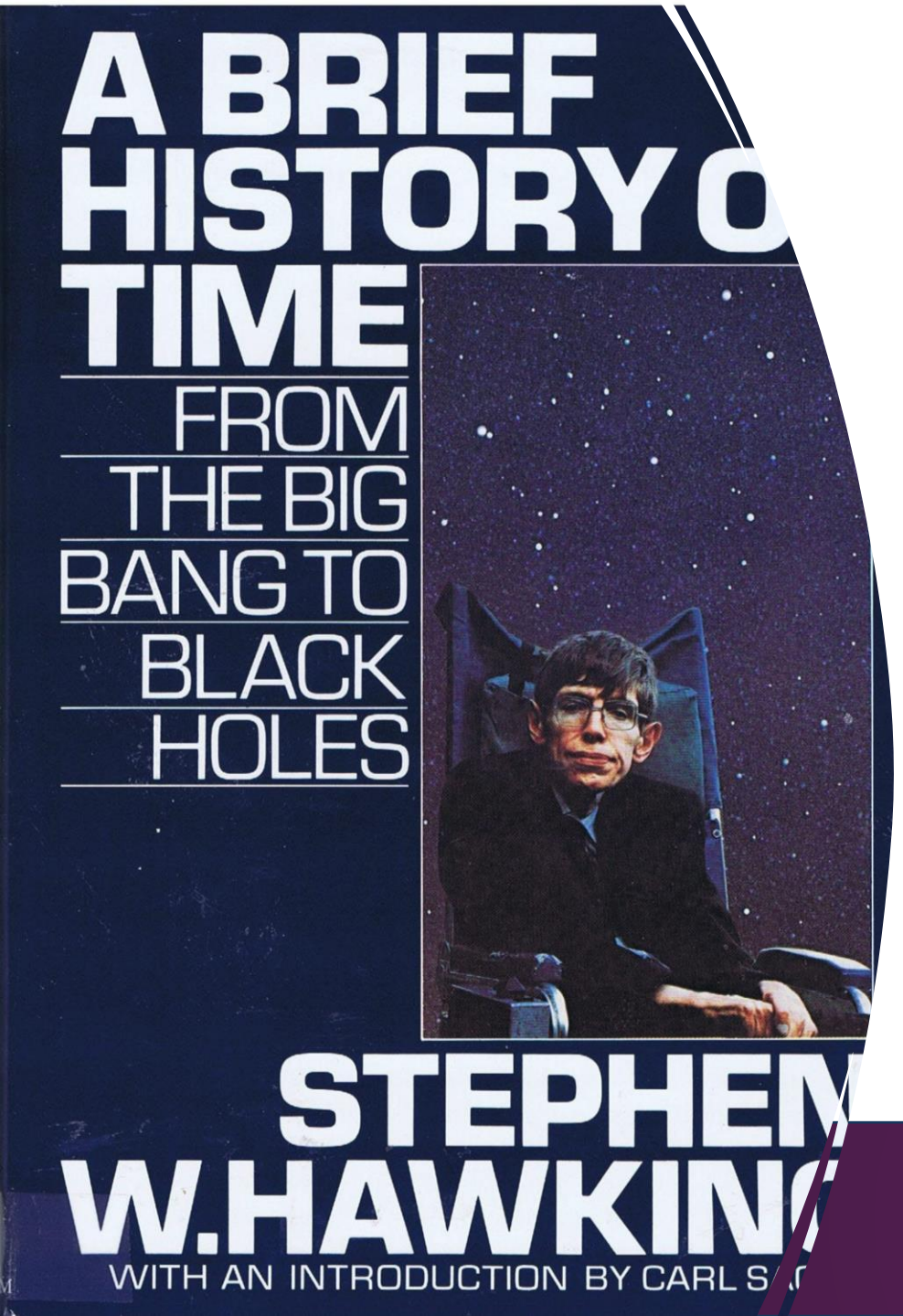
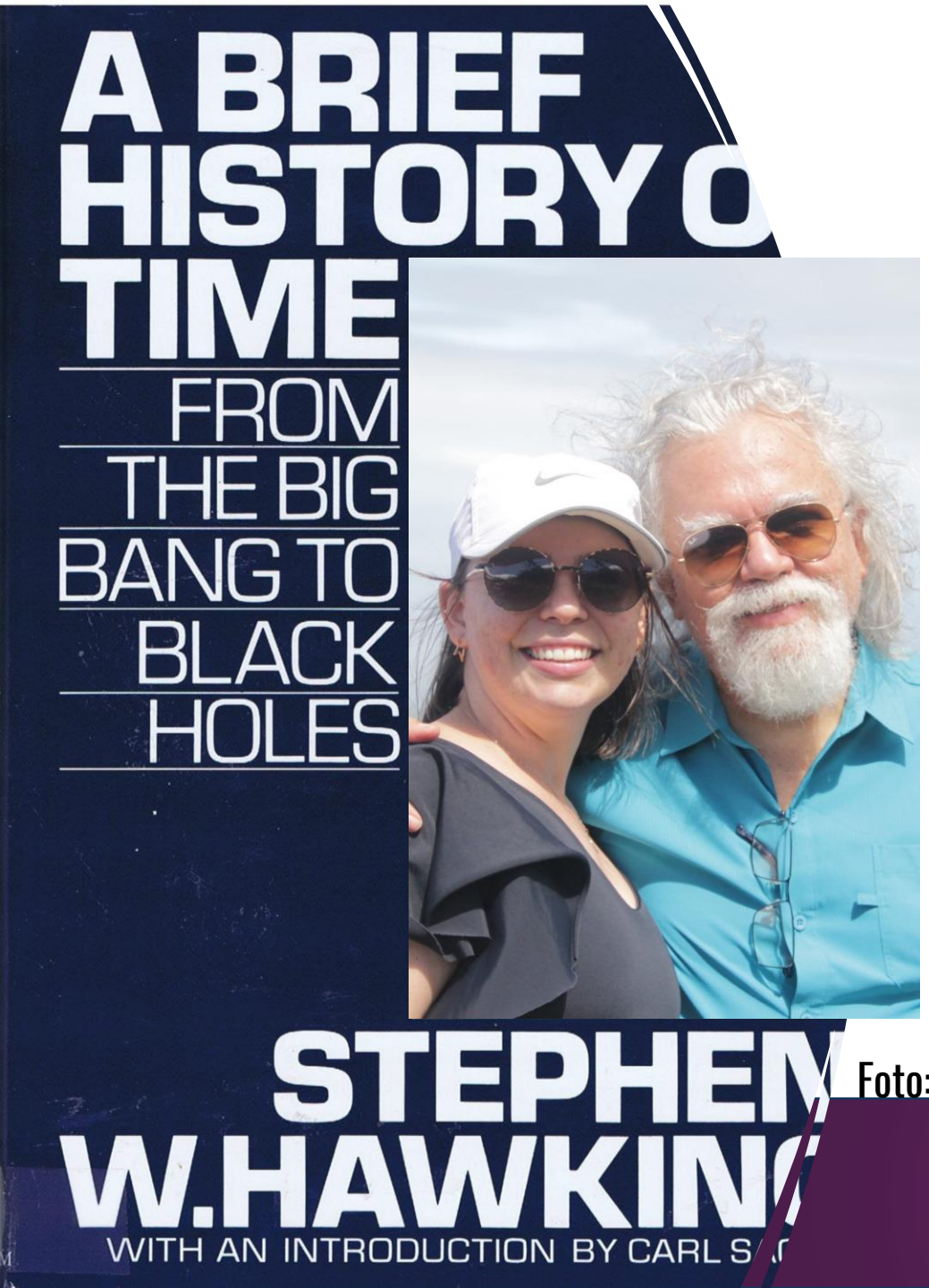
POWER PLATFORM
BOOTCAMP

Full Schedule



Breve Historia del Tiempo, Stephen Hawking



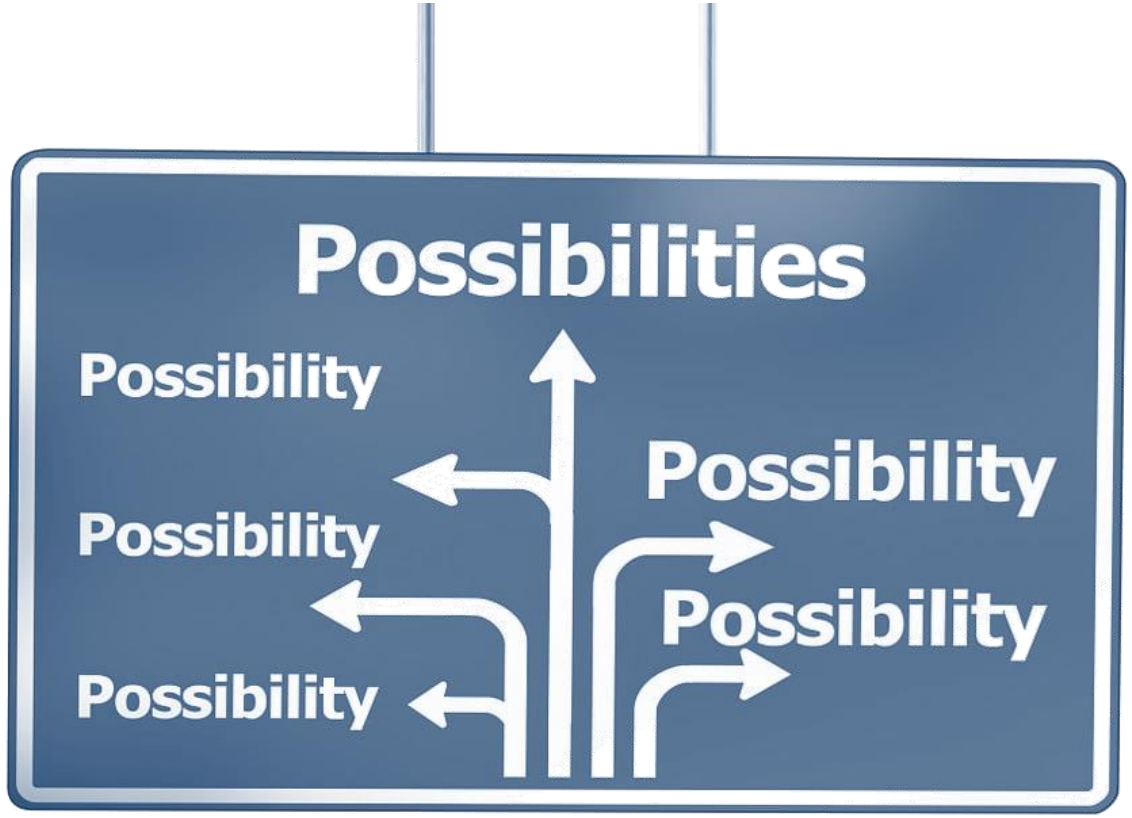
Breve Historia del Tiempo, Andrea y Javier Loria

Foto: Ramón Alberto Reyes

Agenda

- Introducción
- Origen del Universo
- Expansión del Universo
- Radiación Cósmica de Fondo
- Inflación cósmica
- ~~Teoría del Bing Bang y Religión~~

WIDE DIMENSIONS



The most interesting dimensions in a data warehouse are the big, wide dimensions ….

Ralph Kimball

¿POR QUÉ IMPORTA?

Usada frecuentemente

Usado extensivamente

Si no lo hace, Power BI lo por usted (y no tan bien)

Hacer la vida de los desarrolladores de reportes más fácil

DECISIONES DE DISEÑO

Autogenerada o Tabla Fechas

SQL, Power BI (DAX) o Power Query (M)

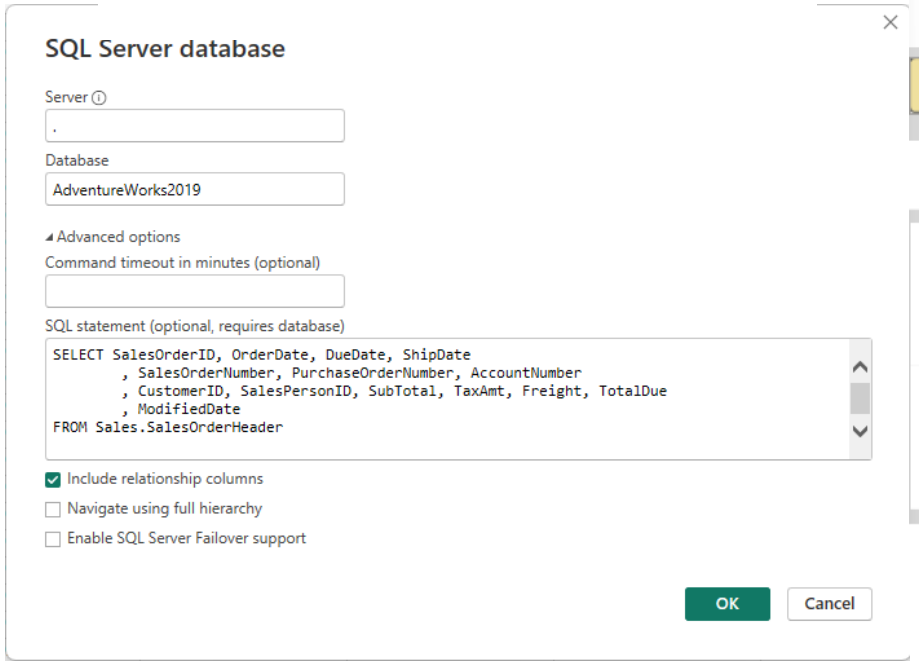
Llave Subrogada (INT) o Natural (Fecha)

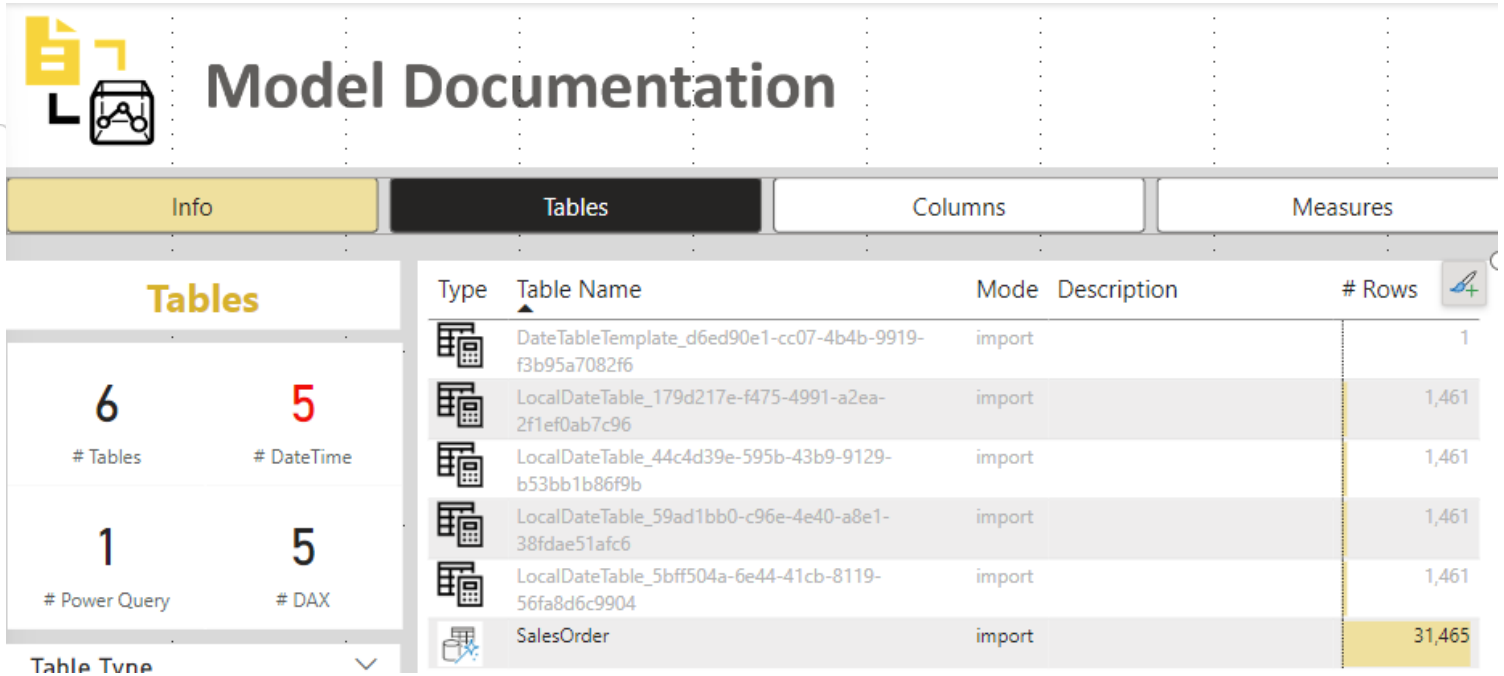
POWER BI - AUTO DATE/TIME

POWER BI AUTO DATE-TIME

Time intelligence

☑ Auto date/time for new files





REQUERIMIENTOS DE POWER BI

Debe tener una columna de tipo de dato fecha (o fecha/hora

La columna de fecha debe contener valores únicos.

La columna de fecha no debe contener espacios en blanco.

La columna de fecha no debe tener ninguna fecha faltante.

La columna de fecha debe abarcar años completos.

La tabla de fechas debe estar marcada como una tabla de fechas.

Agenda

~~Introducción~~

Origen del Universo

Expansión del Universo

Radiación Cósmica de Fondo

Inflación cósmica

~~Teoría del Bing Bang y Religión~~

ATRIBUTOS CONVENCIONALES

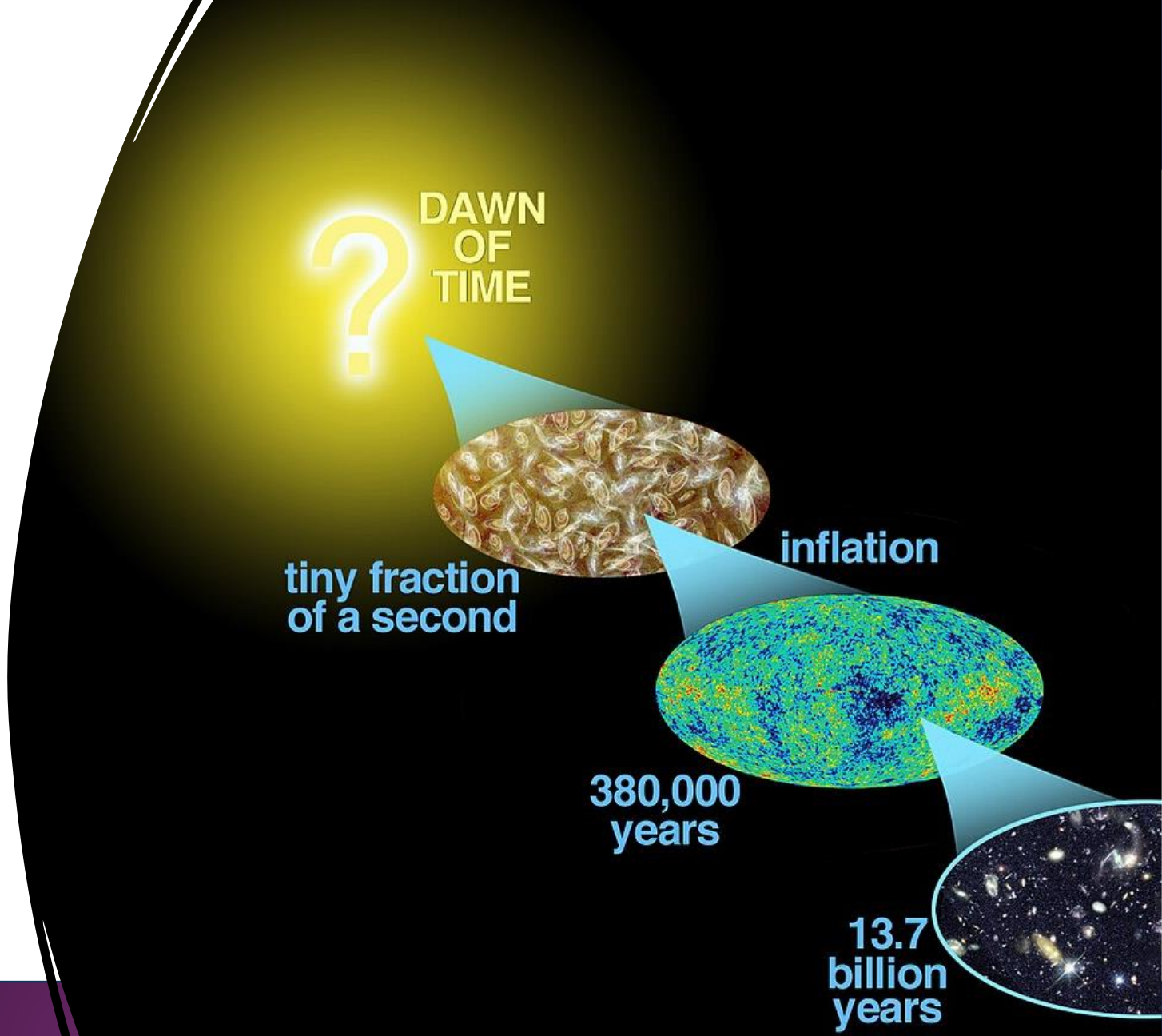
Nombres Cortos

- Día
- Mes
- Trimestre
- Año

Nombres Completos

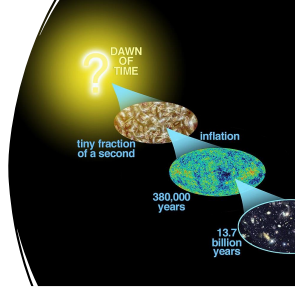
- Mes
- Trimestre

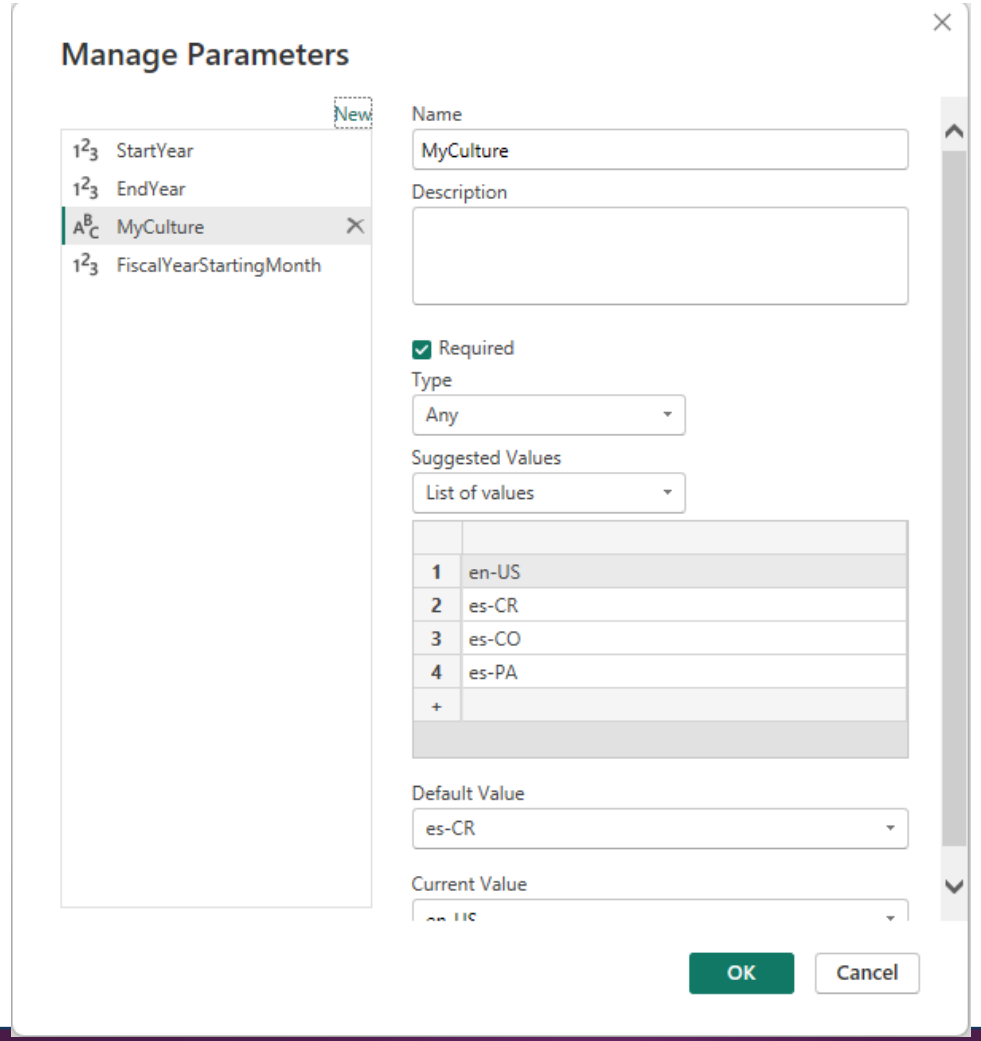
ORIGEN DEL UNIVERSO



POWER PLATFORM
BOOTCAMP

ORIGEN DEL UNIVERSO (1/4)

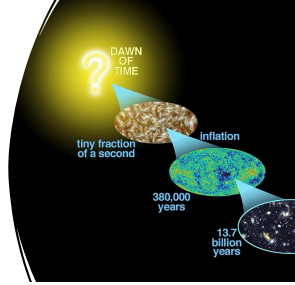




POWER PLATFORM BOOTCAMP

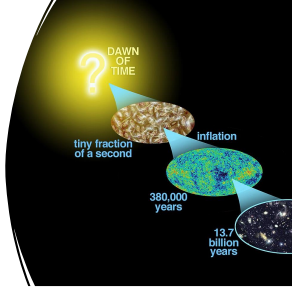
#GlobalPowerPlatformBootcamp
#GPPB2024

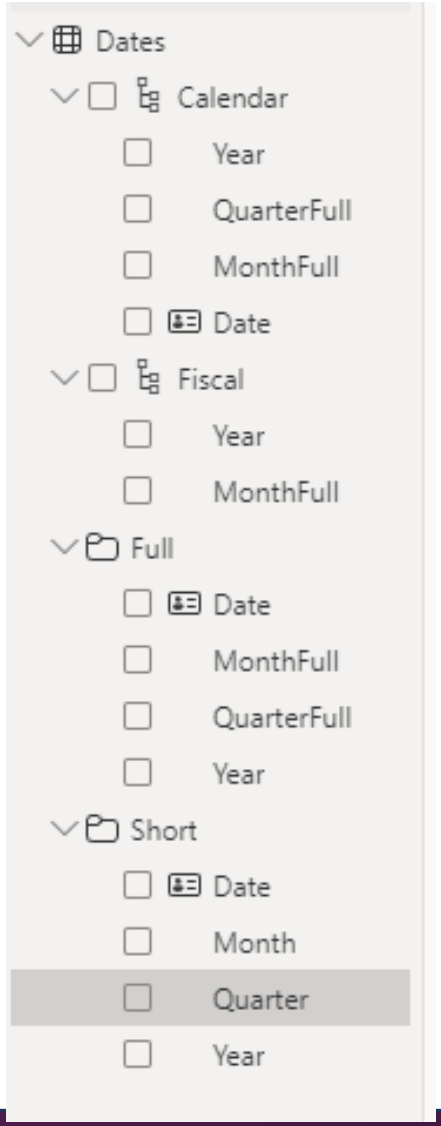
ORIGEN DEL UNIVERSO (2/4)




```
let
    StartDate = #date(StartYear, 1, 1),
    EndDate   = #date(EndYear, 12, 31),
    NumberOfDays = Duration.From(EndDate-StartDate) / #duration(1, 0, 0, 0),
    DatesList =  List.Dates(StartDate, NumberOfDays, #duration(1, 0, 0, 0)),
    DatesTable = Table.FromList(DatesList, Splitter.SplitByNothing(), {"Date"}),
    ChangeToDate = Table.TransformColumnTypes(DatesTable,{{"Date", type date}}),
    Year = Table.AddColumn(ChangeToDate, "Year", each Date.Year([Date])),
    MonthID = Table.AddColumn(Year, "MonthId", each Date.Month([Date])),
    Month = Table.AddColumn(MonthID, "Month", each Date.ToText([Date], "MMMM", MyCulture)),
    MonthFullID = Table.AddColumn(Month, "MonthFullId", each Date.Year([Date])*10000+Date.Month([Date])*100+1),
    MonthFull = Table.AddColumn(MonthFullID, "MonthFull", each Date.ToText([Date], "yyyy-MMMM", MyCulture)),
    QuarterID = Table.AddColumn(MonthFull, "QuarterID", each Date.QuarterOfYear([Date])),
    Quarter = Table.AddColumn(QuarterID, "Quarter", each Text.Combine({"Q", Text.From([QuarterID], MyCulture)})),
    QuarterFullID = Table.AddColumn(Quarter, "QuarterFullID", each [Year]*10000+(3*([QuarterID]-1)+1)*100+1),
    QuarterFull = Table.AddColumn(QuarterFullID, "QuarterFull", each Text.Combine({Text.From([Year],MyCulture), "-", [Quarter]})),
    ChangeDateToString = Table.TransformColumnTypes(QuarterFull,{{"MonthFullId", type text}, {"QuarterFullID", type text}}),
    ChangeToCorrectType = Table.TransformColumnTypes(ChangeDateToString,{{"MonthFullId", type date}, {"QuarterFullID", type date}, {"Year",
in
    ChangeToCorrectType
```

ORIGEN DEL UNIVERSO (3/4)



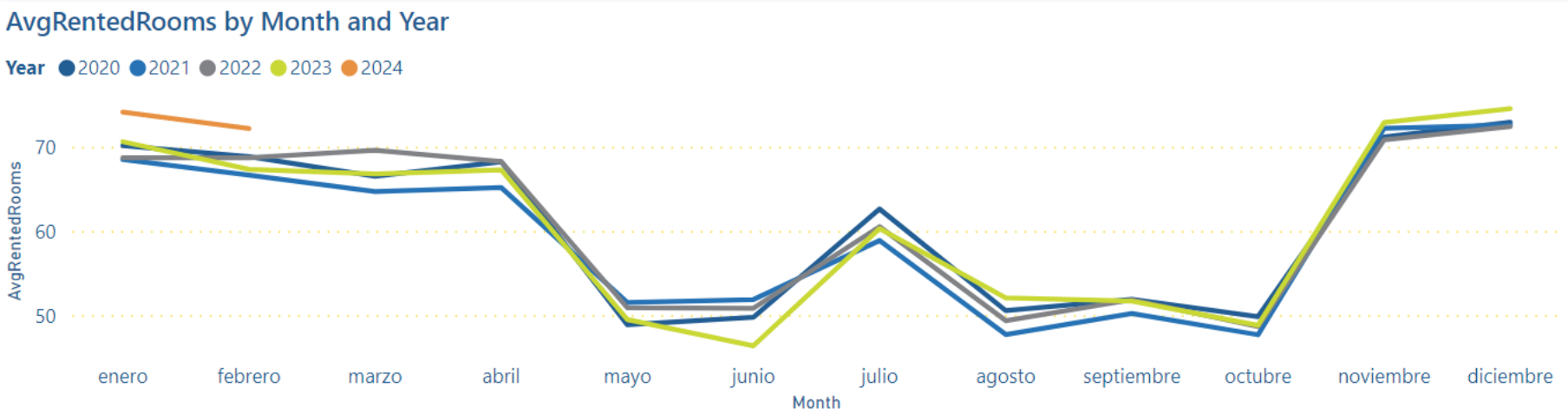


Primus Data
Inteligencia de Negocios y Analítica Avanzada

Fields

- AvailableRooms
- AvgRate
- AvgRentedRooms
- OccupancyRate
- RentedRooms
- RevPAR
- RoomRevenue

Month	2020	2021	2022	2023	2024	Total
enero	70.13	68.48	68.71	70.61	74.13	**70.41**
febrero	68.83	66.64	68.71	67.32	72.17	**68.61**
marzo	66.52	64.68	69.58	66.77		**66.89**
abril	68.23	65.17	68.27	67.27		**67.23**
mayo	48.87	51.52	50.90	49.48		**50.19**
junio	49.77	51.87	50.83	46.37		**49.71**
julio	62.61	58.87	60.52	60.29		**60.57**
agosto	50.55	47.71	49.35	52.06		**49.92**
septiembre	51.90	50.20	51.83	51.67		**51.40**
octubre	49.84	47.68	48.65	48.81		**48.74**
noviembre	71.17	72.20	70.83	72.90		**71.78**
diciembre	72.94	72.58	72.42	74.55		**73.12**
Total	**60.91**	**59.74**	**60.82**	**60.63**	**73.30**	**60.98**



Filters

FullDatesDimension, V100
Data updated on 2/23/24, 8:56 AM

DEMO: INICIO

- Marcar la tabla como fechas
- Esconder columnas ID
- Ordenar Columnas por ID
- Formatear las fechas: Todas
- Organizar en Folders
- Crear Jerarquías
- Columnas NO sumarizar
- Apagar Auto Date-Time

Agenda

~~Introducción~~

~~Origen del Universo~~

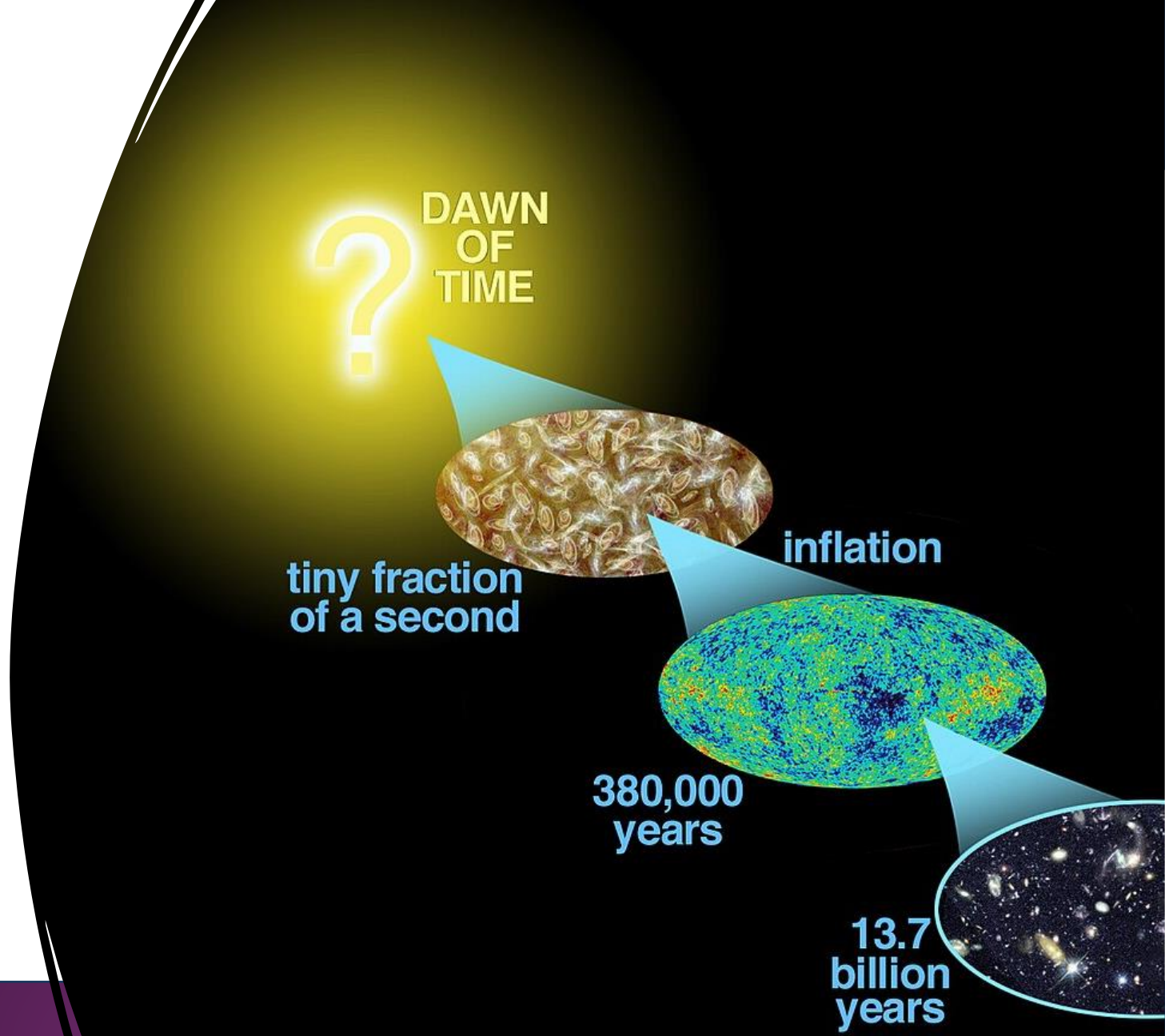
Expansión del Universo

Radiación Cósmica de Fondo

Inflación cósmica

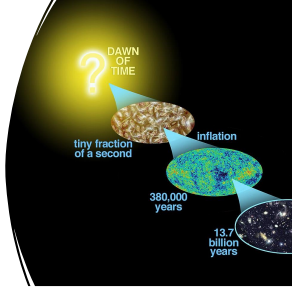
~~Teoría del Bing Bang y Religión~~

EXPANSIÓN DEL UNIVERSO



POWER PLATFORM BOOTCAMP

EXPANSIÓN DEL UNIVERSO (1/3)



Advanced Editor

SourceDates200

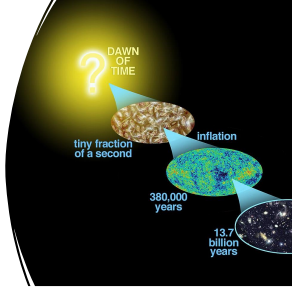
Display Options

```
let
    Source = SourceDates100,
    StartOfMonth = Table.AddColumn(Source, "StartOfMonth", each Date.StartOfMonth([Date])),
    EndOfMonth = Table.AddColumn(StartOfMonth, "EndOfMonth", each Date.EndOfMonth([Date])),
    StartOfQuarter = Table.AddColumn(EndOfMonth, "StartOfQuarter", each Date.StartOfQuarter([Date])),
    EndOfQuarter = Table.AddColumn(StartOfQuarter, "EndOfQuarter", each Date.EndOfQuarter([Date])),
    DayOfWeekID = Table.AddColumn(EndOfQuarter, "DayOfWeekID", each Date.DayOfWeek([Date])),
    DayOfWeek = Table.AddColumn(DayOfWeekID, "DayOfWeek", each Date.DayOfWeekName([Date], MyCulture)),
    WeekOfYearId = Table.AddColumn(DayOfWeek, "WeekOfYearId", each Date.WeekOfYear([Date])),
    WeekOfYear = Table.AddColumn(WeekOfYearId, "WeekOfYear", each Text.Combine({"W", Text.PadStart(Text.From([WeekOfYearId], MyCulture), 2, "0")})),
    WeekFullID = Table.AddColumn(WeekOfYear, "WeekFullID", each Date.StartOfWeek([Date])),
    WeekFull = Table.AddColumn(WeekFullID, "WeekFull", each Text.Combine({Text.From([Year],MyCulture
), "-", [WeekOfYear]})),
    StartOfWeek = Table.AddColumn(WeekFull, "StartOfWeek", each Date.StartOfWeek([Date])),
    EndOfWeek = Table.AddColumn(StartOfWeek, "EndOfWeek", each Date.EndOfWeek([Date])),
    IsCurrentDay = Table.AddColumn(EndOfWeek, "IsCurrentDay", each Date.IsInCurrentDay([Date])),
    IsCurrentMonth = Table.AddColumn(IsCurrentDay, "IsCurrentMonth", each Date.IsInCurrentMonth([Date])),
    IsCurrentQuarter = Table.AddColumn(IsCurrentMonth, "IsCurrentQuarter", each Date.IsInCurrentQuarter([Date])),
    IsCurrentYear = Table.AddColumn(IsCurrentQuarter, "IsCurrentYear", each Date.IsInCurrentYear([Date])),
    IsCurrentWeek = Table.AddColumn(IsCurrentYear, "IsCurrentWeek", each Date.IsInCurrentWeek([Date])),
    FiscalYearID = Table.AddColumn(IsCurrentWeek, "FiscalYearID", each if Date.Month([Date]) < FiscalYearStartingMonth then
(Date.Year([Date])-1)*10000+FiscalYearStartingMonth*100+1
else
(Date.Year([Date]))*10000+FiscalYearStartingMonth*100+1),
    StartOfFiscalYear = Table.AddColumn(FiscalYearID, "StartOfFiscalYear", each [FiscalYearID]),
    #"Added Custom" = Table.AddColumn(StartOfFiscalYear, "EndOfFiscalYear", each Date.From(Date.From(Text.From([StartOfFiscalYear]))
        + #duration(365, 0, 0, 0))),
    FiscalYearAsString = Table.TransformColumnTypes(#"Added Custom",{{"FiscalYearID", type text}, {"StartOfFiscalYear", type text}}),
    FiscalYear = Table.AddColumn(FiscalYearAsString, "FiscalYear", each if Date.Month([Date]) < FiscalYearStartingMonth then
    "FY " & Text.From(Date.Year([Date]) - 1) & "-" & Text.From(Date.Year([Date]))
else
    "FY " & Text.From(Date.Year([Date])) & "-" & Text.From(Date.Year([Date]) + 1)),
    #"Changed Type" = Table.TransformColumnTypes(FiscalYear,{{"StartOfMonth", type date}, {"EndOfMonth", type date}, {"StartOfQuarter", type date}, {"EndOfQuarter", type date}, {"Star
in
    #"Changed Type"
```

No syntax errors have been detected.

Done Cancel

EXPANSIÓN DEL UNIVERSO (2/3)



- Dates
  - Calendar
    - Year
    - QuarterFull
    - MonthFull
    - Date
  - Current
    - IsCurrentDay
    - IsCurrentMonth
    - IsCurrentQuar...
    - IsCurrentWeek
    - IsCurrentYear
  - Fiscal
    - Year
    - MonthFull
  - Full
    - Date
    - FiscalYear
    - MonthFull
    - QuarterFull

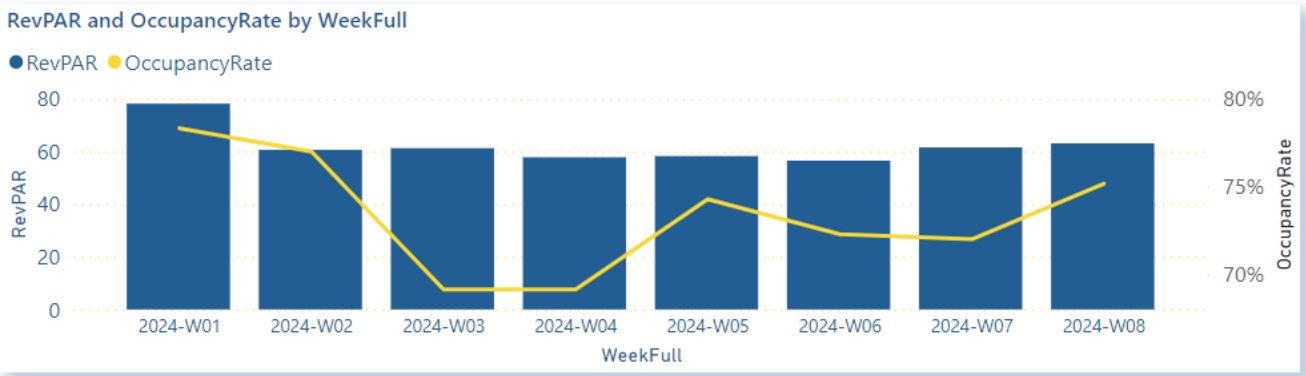
- Reporting
  - EndOfFiscalYear
  - EndOfMonth
  - EndOfQuarter
  - EndOfWeek
  - StartOfFiscalYear
  - StartOfMonth
  - StartOfQuarter
  - StartOfWeek
  - WeekFull
  - Year
- Short
  - Date
  - DayOfWeek
  - FiscalYear
  - Month
  - Quarter
  - WeekOfYear
  - Year

Primus Data
Inteligencia de Negocios y Analítica Avanzada

Fields

- AvailableRooms
- AvgRate
- AvgRentedRooms
- OccupancyRate
- RentedRooms
- RevPAR
- RoomRevenue

Start of Month	End of Month	AvailableRooms
01/Jan/2024	31/Jan/2024	3,100
01/Feb/2024	29/Feb/2024	2,300
Total		**5,400**



Filters

Search

Filters on this page

IsCurrentYear
is True

- [x] Select all
- [ ] False
- [x] True

FullDatesDimension, V200
Data updated on 2/23/24, 8:56 AM

DEMO: EXPANSIÓN

Jerarquías
Alternativas

Filtros para reportes
dinámicos

Ayuda para reportes
Inicio de, fin de

Agenda

~~Introducción~~

~~Origen del Universo~~

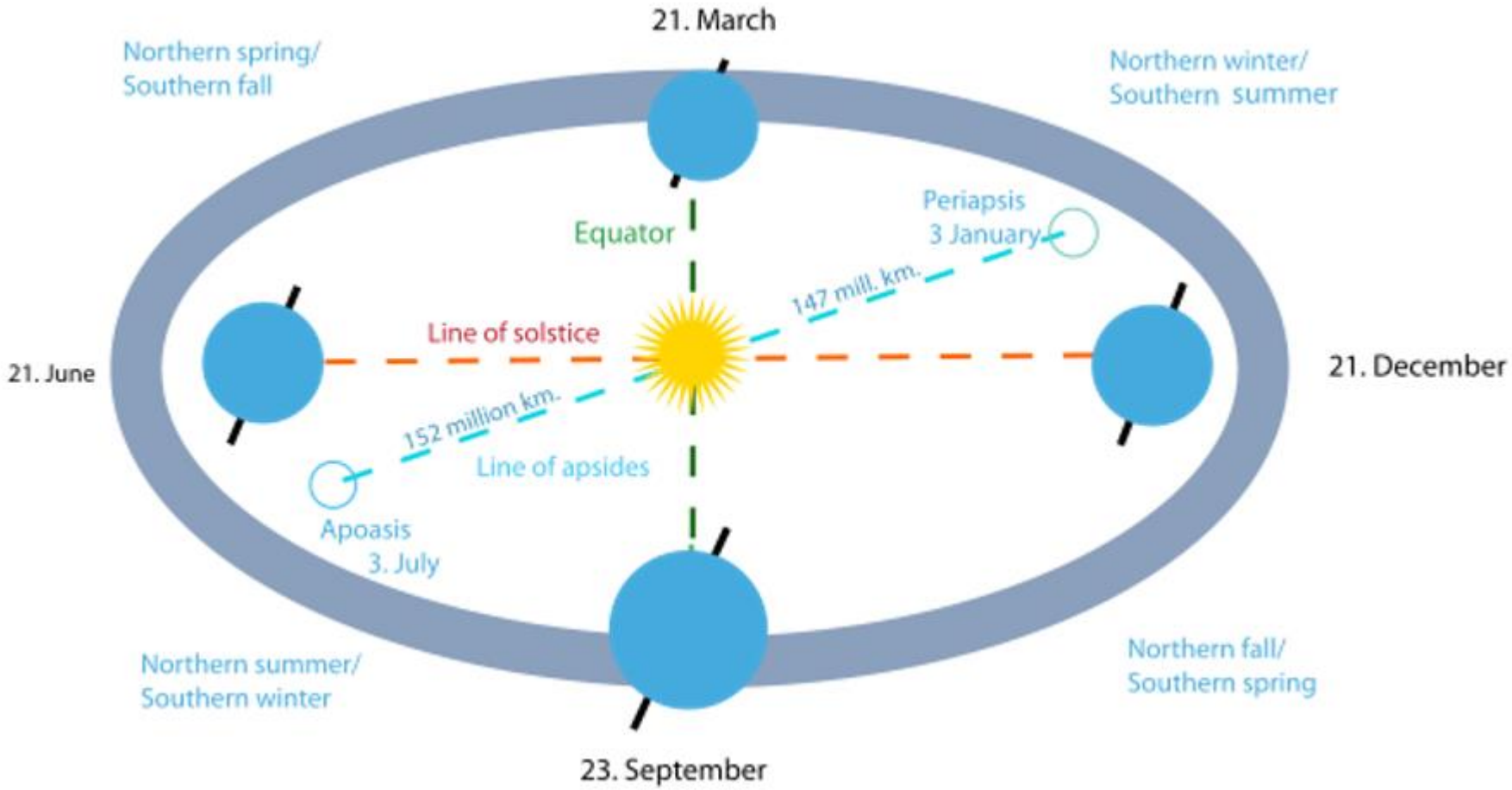
~~Expansión del Universo~~

Radiación Cósmica de Fondo

Inflación cósmica

~~Teoría del Bing Bang y Religión~~

ESTACIONES


21. March
Northern spring/
Southern fall
Northern winter/
Southern summer
Equator
Periapsis
3 January
147 mill. km.
Line of solstice
21. June
21. December
152 million km.
Line of apsides
Apoasis
3. July
Northern summer/
Southern winter
Northern fall/
Southern spring
23. September

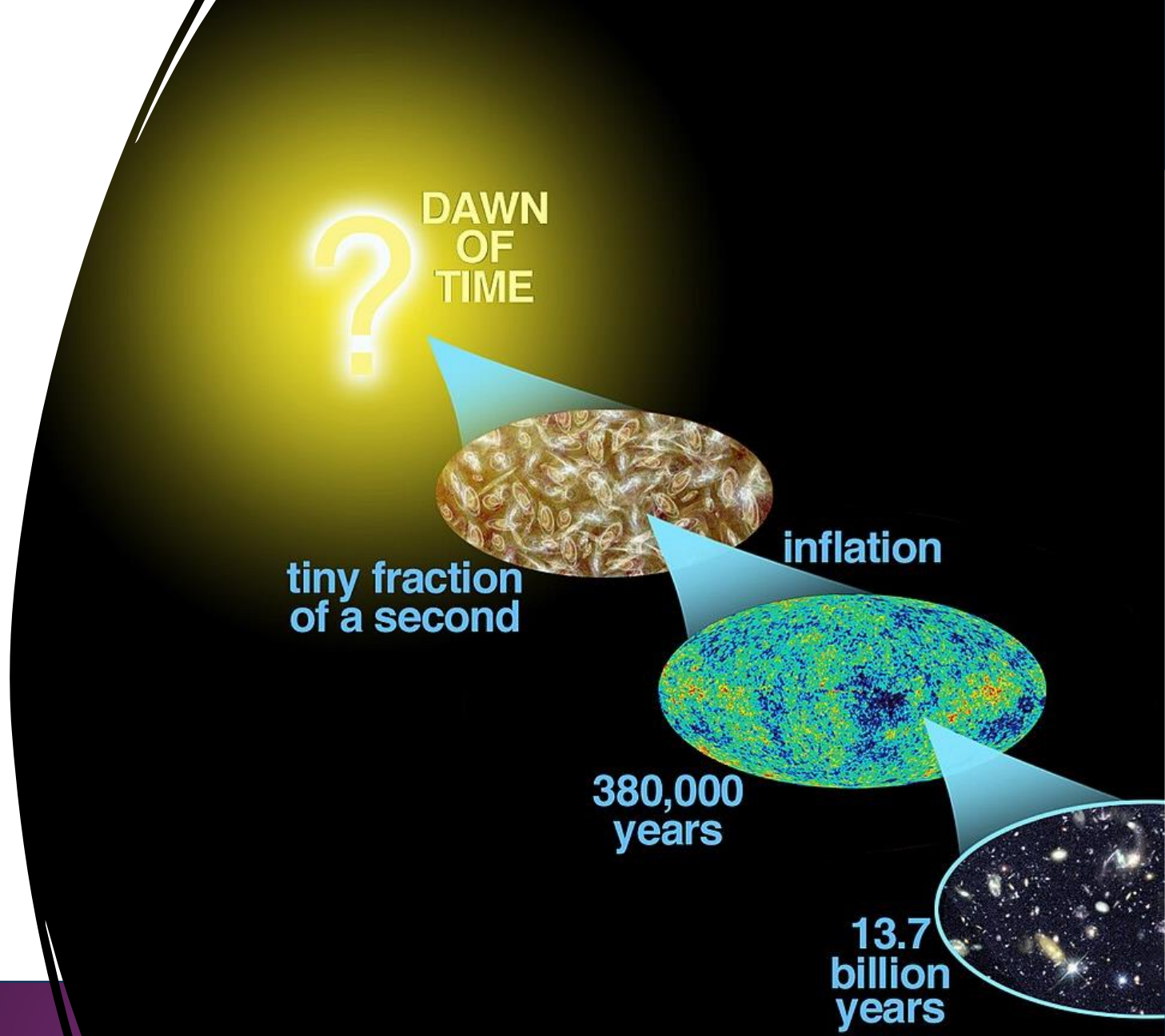
POWER PLATFORM BOOTCAMP

#GlobalPowerPlatformBootcamp
#GPPB2024

DÍAS FESTIVOS O FERIADOS

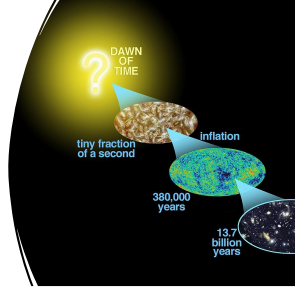
- Feriados Fijos
- Feriados Dia Semana
- Feriados Siguiente Dia
- Feriados Pascua

RADIACIÓN CÓSMICA DE FONDO



POWER PLATFORM BOOTCAMP

RADIACIÓN CÓSMICA DE FONDO (1/5)



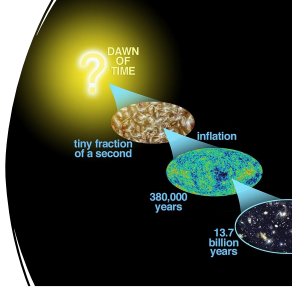
- Dates [4]
  - Holidays [12]
    - *HolidaysFixed*
    - *HolidaysFixedExt*
    - *HolidaysWeekday*
    - *HolidaysWeekdayExt*
    - *HolidaysNextMonday*
    - *HolidaysNextMondayExt*
    - *HolidaysEastern*
    - *HolidayEasternExt*

HolidaysFixed

Display Options

```
let
    Source = {

// Colombia
        [ID = 101, Name = "Año Nuevo", Culture="es-CO"],
        [ID = 106, Name = "Día de los Reyes Magos", Culture="es-CO"],
        [ID = 501, Name = "Día del Trabajo", Culture="es-CO"],
        [ID = 720, Name = "Día de la Independencia", Culture="es-CO"],
        [ID = 807, Name = "Batalla de Boyacá", Culture="es-CO"],
        [ID = 815, Name = "Asunción de la Virgen María", Culture="es-CO"],
        [ID = 815, Name = "Todos los Santos", Culture="es-CO"],
        [ID = 1225, Name = "Navidad", Culture="es-CO"],

// USA
        [ID =  101, Name = "New Year's Day", Culture = "en-US"],
        [ID =  214, Name = "Valentine's Day", Culture = "en-US"],
        [ID =  704, Name = "Independence Day", Culture = "en-US"],
        [ID = 1031, Name = "Halloween", Culture = "en-US"],
        [ID = 1111, Name = "Veterans Day", Culture = "en-US"],
        [ID = 1225, Name = "Christmas Day", Culture = "en-US"],

// Costa Rica
        [ID = 101, Name = "Año Nuevo", Culture = "es-CR"],
        [ID = 501, Name = "Día del Trabajador", Culture = "es-CR"],
        [ID = 802, Name = "Día de la Virgen de los Ángeles", Culture = "es-CR"],
        [ID = 915, Name = "Día de la Independencia", Culture = "es-CR"],
        [ID = 1225, Name = "Navidad", Culture = "es-CR"]
    },
    Table = Table.FromRecords(Source, {"ID", "Name", "Culture"}),
    #"Filtered Rows" = Table.SelectRows(Table, each [Culture] = MyCulture),
    #"Removed Columns" = Table.RemoveColumns(#"Filtered Rows",{"Culture"}),
    #"Changed Type" = Table.TransformColumnTypes(#"Removed Columns",{{"ID", Int64.Type}, {"Name", type text}})
in
    #"Changed Type"
```

RADIACIÓN CÓSMICA DE FONDO (2/5)



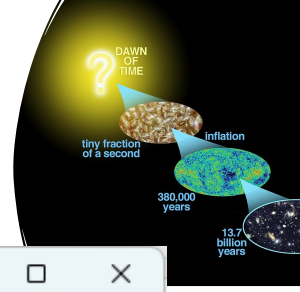
Advanced Editor

EasternFunction

Display Options

```
let
    Eastern = (Yr as number) =>
        let
            Cent = Number.RoundDown(Yr / 100),
            Metonic = Number.Mod(Yr, 19),
            K = Number.RoundDown((Cent - 17) / 25),
            I = Number.Mod((Cent - Number.RoundDown(Cent / 4) - Number.RoundDown((Cent - K) / 3) + 19 * Metonic + 15), 30),
            I1 = I - Number.RoundDown(I / 28) * (1 - Number.RoundDown(I / 28) * Number.RoundDown(29 / (I + 1)) * Number.RoundDown((21 - Meton
            J = Number.Mod((Yr + Number.RoundDown(Yr / 4) + I1 + 2 - Cent + Number.RoundDown(Cent / 4)), 7),
            EMonth = 3 + Number.RoundDown((I1 - J + 40) / 44),
            EDay = I1 - J + 28 - 31 * Number.RoundDown(EMonth / 4),
            DateText = Text.Combine({Text.PadStart(Text.From(EMonth, "en-US"), 2, "0"), "/", Text.PadStart(Text.From(EDay, "en-US"), 2, "0"),
            EasternDate = Date.FromText(DateText, [Format="MM/dd/yyyy", Culture="en-US"])
        in
            EasternDate
in
    Eastern
```

RADIACIÓN CÓSMICA DE FONDO (3/5)



Holidays
Seasons
BusinessSeasons

Advanced Editor

Seasons

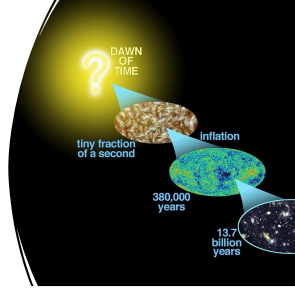
Display Options

```
let
    // Define the list of records
    SourceList = {
        [SeasonID = 1, SeasonName = "Invierno", StartDate = 101, EndDate = 321, AddYear = 0],
        [SeasonID = 2, SeasonName = "Primavera", StartDate = 322, EndDate = 621, AddYear = 0],
        [SeasonID = 3, SeasonName = "Verano", StartDate = 622, EndDate = 923, AddYear = 0],
        [SeasonID = 4, SeasonName = "Otoño", StartDate = 924, EndDate = 1221, AddYear = 0],
        [SeasonID = 5, SeasonName = "Invierno", StartDate = 1222, EndDate = 1231, AddYear = 1]
    },
    // Create a table from the list of records
    TableFromRecords = Table.FromRecords(SourceList),
    #"Changed Type" = Table.TransformColumnTypes(TableFromRecords,{{"SeasonID", Int64.Type}, {"StartDate", Int64.Type}, {"EndDate", I
in
    #"Changed Type"
```

No syntax errors have been detected.

Done Cancel

RADIACIÓN CÓSMICA DE FONDO (4/5)



Advanced Editor

SourceDates300

Display Options

```
let
    Source = SourceDates200,
    Holidays = Table.NestedJoin(Source, {"Date"}, Holidays, {"Date"}, "Holidays", JoinKind.LeftOuter),
    #"Expanded Holidays" = Table.ExpandTableColumn(Holidays, "Holidays", {"ID", "Name"}, {"HolidayID", "HolidayName"}),
    ReplaceNullID = Table.ReplaceValue(#"Expanded Holidays",null,1,Replacer.ReplaceValue,{"HolidayID"}),
    ReplaceNullName = Table.ReplaceValue(ReplaceNullID,null,"No Holiday",Replacer.ReplaceValue,{"HolidayName"}),
    DateTypeID = Table.AddColumn(ReplaceNullName, "DateTypeID", each if [HolidayID]<>1 then 3
else if Date.DayOfWeek([Date] , Day.Monday)>=5 then 2
else 1),
    DateType = Table.AddColumn(DateTypeID, "DateType", each if [HolidayID]<>1 then "Holiday"
else if Date.DayOfWeek([Date] , Day.Monday)>=5 then "Weekend"
else "Workday"),
    DayOfYearSelector = Table.AddColumn(DateType, "DayOfYearSel", each Date.Month([Date])*100+Date.Day([Date])),

    AddSeasons = Table.AddColumn(DayOfYearSelector, "Seasons"
            , (Q1) => Table.SelectRows(Seasons,
                                each Q1[DayOfYearSel] >= [StartDate]
                                and [EndDate]>=Q1[DayOfYearSel]   )   ),
    #"Expanded Seasons" = Table.ExpandTableColumn(AddSeasons, "Seasons", {"SeasonID", "SeasonName", "AddYear"}, {"SeasonID", "SeasonName", "A
    SeasonFull = Table.AddColumn(#"Expanded Seasons", "SeasonFull", each Number.ToText([Year]+ [AddYear] ) & " - " & [SeasonName]),
    RemoveAddYear = Table.RemoveColumns(SeasonFull,{"AddYear"}),
    ReplaceSeasonID5 = Table.ReplaceValue(RemoveAddYear,5,1,Replacer.ReplaceValue,{"SeasonID"}),
    FixTypes = Table.TransformColumnTypes(ReplaceSeasonID5,{{"SeasonID", Int64.Type}, {"SeasonName", type text}, {"SeasonFull", type text}, {

    AddBusinesSeasons = Table.AddColumn(FixTypes, "BusinessSeasons"
            , (Q1) => Table.SelectRows(BusinessSeasons,
                                each Q1[DayOfYearSel] >= [StartDate]
                                and [EndDate]>=Q1[DayOfYearSel]   )   ),
    ExpandBusinessSeasons = Table.ExpandTableColumn(AddBusinesSeasons, "BusinessSeasons", {"BusinessSeasonID", "BusinessSeasonName", "AddYear
    BusinessSeasonFull = Table.AddColumn(ExpandBusinessSeasons, "BusinessSeasonFull", each Number.ToText([Year]+ [AddYear] ) & " - " & [Busin
    RemoveAddYear2 = Table.RemoveColumns(BusinessSeasonFull,{"AddYear", "DayOfYearSel"}),
    #"Changed Type" = Table.TransformColumnTypes(RemoveAddYear2,{{"BusinessSeasonID", Int64.Type}, {"BusinessSeasonName", type text}, {"Busin
in
    #"Changed Type"
```

No syntax errors have been detected.

Done Cancel

POWER PLATFORM BOOTCAMP

#GlobalPowerPlatformBootcamp
#GPPB2024

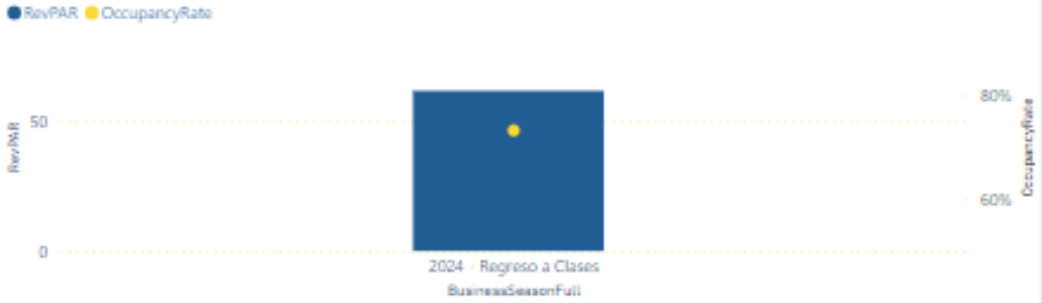
Primus Data
Inteligencia de Negocios y Analítica Avanzada

Fields

- AvailableRooms
- AvgRate
- AvgRentedRooms
- OccupancyRate
- RentedRooms
- RevPAR
- RoomRevenue

DateType	HolidayName	Days	AvailableRooms
Workday	No Holiday	39	3,900
Weekend	No Holiday	14	1,400
Holiday	Año Nuevo	1	100
Total		**54**	**5,400**

RevPAR and OccupancyRate by BusinessSeasonFull



Filters

Search

Filters on this page

IsCurrentYear
is True

FullDatesDimension, V300
Data updated on 2/24/24, 6:18 AM

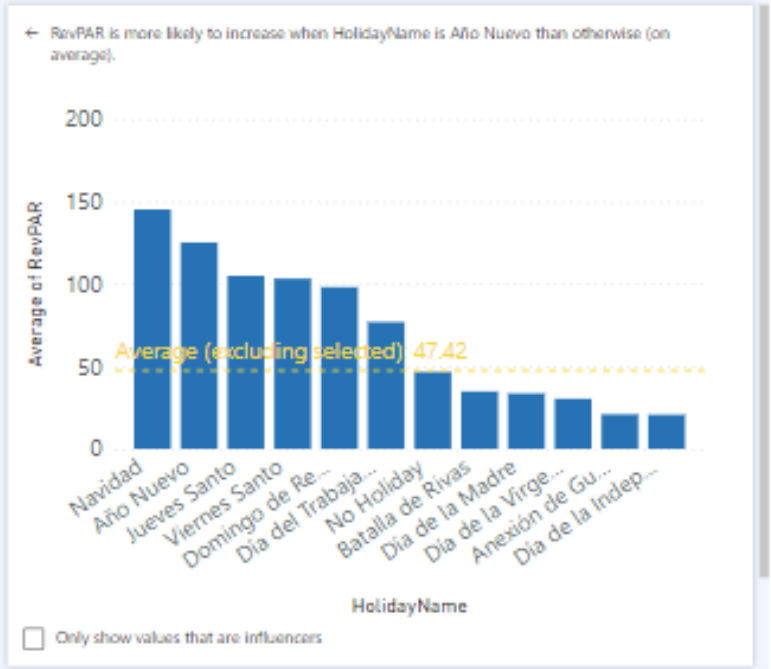
Primus Data
Inteligencia de Negocios y Analítica Avanzada

Key influencers | Top segments

What influences RevPAR to Increase ?

When...

	....the average of RevPAR increases by
HolidayName is Año Nuevo	78.05
BusinessSeasonNa... is Temporada Navideña	33.7
Date is more than 02/Nov/2023	26.47
DateType is Weekend	20.8
BusinessSeasonNa... is Vacaciones medio año	19.58
BusinessSeasonNa... is Regreso a Clases	11.98



Filters

Search

There aren't any filters to display.

FullDatesDimension, V310
Data updated on 2/24/24, 6:18 AM

DEMO: RADIACIÓN CÓSMICA DE FONDO

Estaciones

Feriados

Épocas de Negocio

Agenda

~~Introducción~~

~~Origen del Universo~~

~~Expansión del Universo~~

~~Radiación Cósmica de Fondo~~

Inflación cósmica

~~Teoría del Bing Bang y Religión~~

INTELIGENCIA DE FECHAS(1/2)

Período

- Actual
- Mes Anterior
- Cuarto Anterior
- Año Anterior

Variación Absoluta

- Mes Anterior
- Cuarto Anterior
- Año Anterior

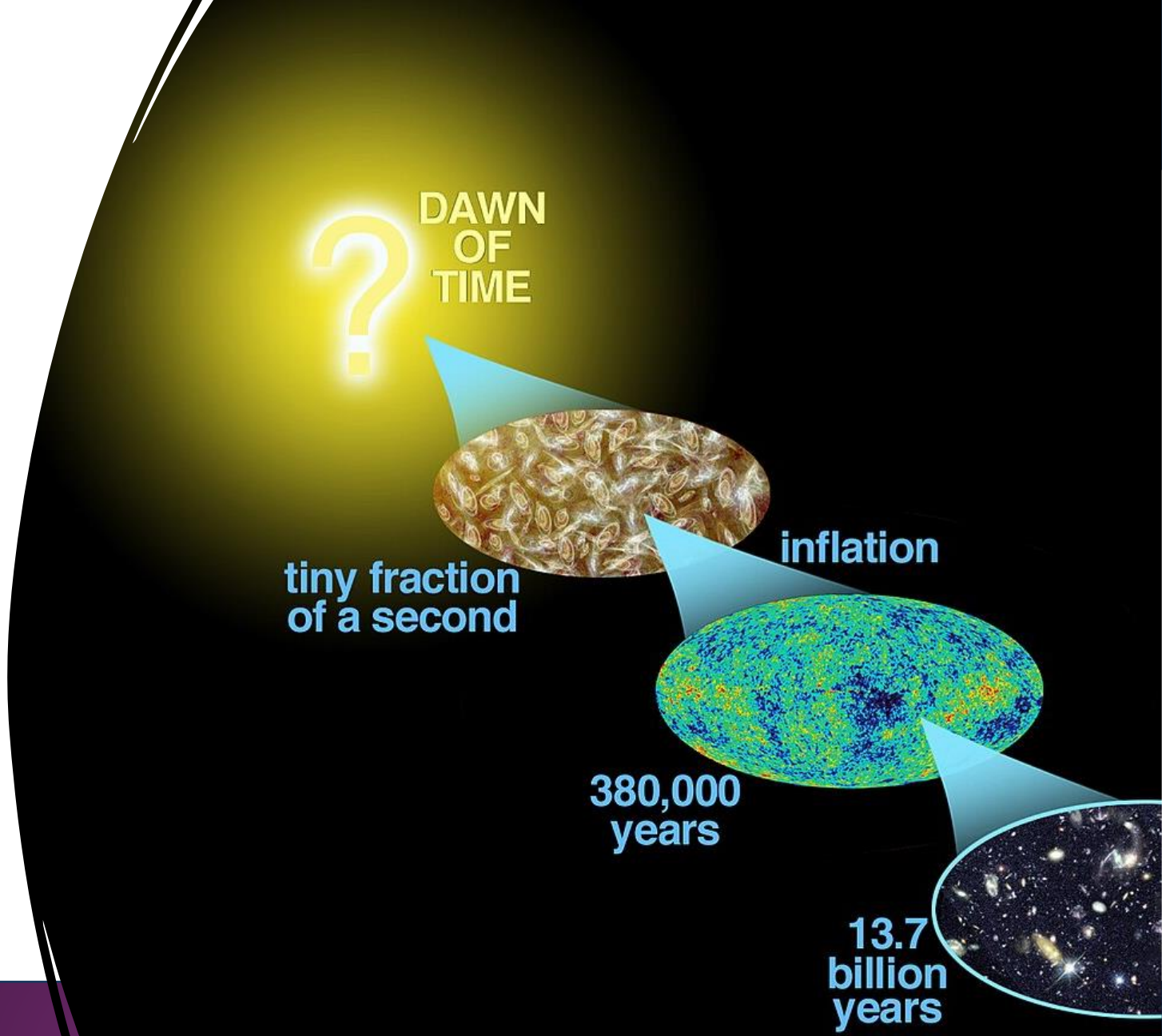
Variación Porcentual

- Mes Anterior
- Cuarto Anterior
- Año Anterior

INTELIGENCIA DE FECHAS(2/2)

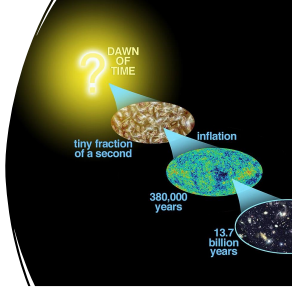
- Regular
- Acumulado Mensual
- Acumulado por Trimestre
- Acumulado Anual

INFLACIÓN CÓSMICA



POWER PLATFORM BOOTCAMP

INFLACIÓN CÓSMICA (1/3)



- Calculation groups (2)
  - DatesPrior
    - DatesPrior
    - Calculation items (10)
      - Current
      - PM
      - PQ
      - PY
      - MOM
      - QOQ
      - YOY
      - MOM%
      - QOQ%
      - YOY%
    - Other (2)
      - Period
      - PeriodID

```
PM = CALCULATE(SELECTEDMEASURE(),
 DATEADD(
        Dates[Date],
        -1,
        MONTH))

//CALCULATE(SELECTEDMEASURE(), PARALLELPERIOD(Dates[Date], 1, MONTH))
```

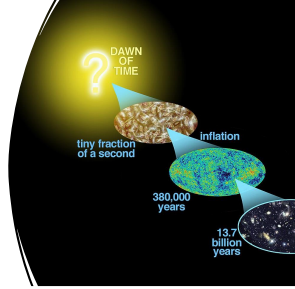
```
MOM = VAR CurrentMeasure = SELECTEDMEASURE()
VAR PriorMeasure = CALCULATE(
    SELECTEDMEASURE(),
    'DatesPrior'[DatesPrior] = "PM")
RETURN
IF(CurrentMeasure = BLANK() || PriorMeasure = BLANK(),
  BLANK(),
  CurrentMeasure - PriorMeasure)
```

```
MOM% = VAR numerator =   CALCULATE(
        SELECTEDMEASURE(),
         'DatesPrior'[DatesPrior]="MOM"
    )
VAR denominator =  CALCULATE(
        SELECTEDMEASURE(),
        'DatesPrior'[DatesPrior]="PM"
    )

RETURN DIVIDE(numerator, denominator, BLANK())

```

```
Period = SWITCH(TRUE
  , DatesPrior[DatesPrior] IN {"PM", "MOM", "MOM%"}, "Monthly"
  , DatesPrior[DatesPrior] IN {"PQ", "QOQ", "QOQ%"}, "Quaterly"
  , DatesPrior[DatesPrior] IN {"PY", "YOY", "YOY%"}, "Yearly"
   , "Regular")
```

```
PeriodID = SWITCH(TRUE
   , DatesPrior[DatesPrior] IN {"PM", "MOM", "MOM%"}, 2
   , DatesPrior[DatesPrior] IN {"PQ", "QOQ", "QOQ%"}, 3
   , DatesPrior[DatesPrior] IN {"PY", "YOY", "YOY%"}, 4
   , 1)
```

INFLACIÓN CÓSMICA (2/3)



- Calculation groups (2)
  - DatesPrior
  - DatesAggregations
    - DateAggregations
    - Calculation items (4)
      - Regular
      - MTD
      - QTD
      - YTD
    - Other (0)

```
1 MTD = CALCULATE ( SELECTEDMEASURE (), DATESMTD ( 'Dates'[Date] ) )
```

```
1 QTD = CALCULATE ( SELECTEDMEASURE (), DATESQTD ( 'Dates'[Date] ) )
```

```
1 YTD = CALCULATE ( SELECTEDMEASURE (), DATESYTD ( 'Dates'[Date] ) )
```

Primus Data
Inteligencia de Negocios y Analítica Avanzada

Filters

MonthFull	Regular	MTD	QTD	YTD
2022-enero	2,130	2,130	2,130	2,130
2022-febrero	1,924	1,924	4,054	4,054
2022-marzo	2,157	2,157	6,211	6,211
2022-abril	2,048	2,048	2,048	8,259
2022-mayo	1,578	1,578	3,626	9,837
2022-junio	1,525	1,525	5,151	11,362
2022-julio	1,876	1,876	1,876	13,238
2022-agosto	1,530	1,530	3,406	14,768
2022-septiembre	1,555	1,555	4,961	16,323
2022-octubre	1,508	1,508	1,508	17,831
2022-noviembre	2,125	2,125	3,633	19,956
2022-diciembre	2,245	2,245	5,878	22,201
2023-enero	2,189	2,189	2,189	2,189
2023-febrero	1,885	1,885	4,074	4,074
2023-marzo	2,070	2,070	6,144	6,144
2023-abril	2,018	2,018	2,018	8,162
2023-mayo	1,534	1,534	3,552	9,696
2023-junio	1,391	1,391	4,943	11,087
2023-julio	1,869	1,869	1,869	12,956
2023-agosto	1,614	1,614	3,483	14,570
2023-septiembre	1,550	1,550	5,033	16,120
2023-octubre	1,513	1,513	1,513	17,633
2023-noviembre	2,187	2,187	3,700	19,820
Total	**44,332**	**2,311**	**6,011**	**22,131**

MonthFull	Current	PM	MOM	MOM%
2022-enero	2,130	2,250	-120	-5.33%
2022-febrero	1,924	2,130	-206	-9.67%
2022-marzo	2,157	1,924	233	12.11%
2022-abril	2,048	2,157	-109	-5.05%
2022-mayo	1,578	2,048	-470	-22.95%
2022-junio	1,525	1,578	-53	-3.36%
2022-julio	1,876	1,525	351	23.02%
2022-agosto	1,530	1,876	-346	-18.44%
2022-septiembre	1,555	1,530	25	1.63%
2022-octubre	1,508	1,555	-47	-3.02%
2022-noviembre	2,125	1,508	617	40.92%
2022-diciembre	2,245	2,125	120	5.65%
2023-enero	2,189	2,245	-56	-2.49%
2023-febrero	1,885	2,189	-304	-13.89%
2023-marzo	2,070	1,885	185	9.81%
2023-abril	2,018	2,070	-52	-2.51%
2023-mayo	1,534	2,018	-484	-23.98%
2023-junio	1,391	1,534	-143	-9.32%
2023-julio	1,869	1,391	478	34.36%
2023-agosto	1,614	1,869	-255	-13.64%
2023-septiembre	1,550	1,614	-64	-3.97%
2023-octubre	1,513	1,550	-37	-2.39%
2023-noviembre	2,187	1,513	674	44.55%
Total	**44,332**	**44,271**	**61**	**0.14%**

FullDatesDimension, V400
Data updated on 2/24/24, 6:18 AM

Primus Data
Inteligencia de Negocios y Analítica Avanzada

Fields

- AvailableRooms
- AvgRate
- AvgRentedRooms
- OccupancyRate
- RentedRooms
- RevPAR
- RoomRevenue

Date Aggregations

Regular | MTD | QTD | YTD

Period

Regular | Monthly | Quaterly | Yearly

MonthFull	PM	MOM	MOM%
2022-enero	3,100	0	0.00%
2022-febrero	3,100	-300	-9.68%
2022-marzo	2,800	300	10.71%
2022-abril	3,100	-100	-3.23%
2022-mayo	3,000	100	3.33%
2022-junio	3,100	-100	-3.23%
2022-julio	3,000	100	3.33%
2022-agosto	3,100	0	0.00%
2022-septiembre	3,100	-100	-3.23%
2022-octubre	3,000	100	3.33%
2022-noviembre	3,100	-100	-3.23%
2022-diciembre	3,000	100	3.33%
2023-enero	3,100	0	0.00%
2023-febrero	3,100	-300	-9.68%
Total	**73,000**	**0**	**0.00%**

Filters

FullDatesDimension, V410
Data updated on 2/24/24, 6:18 AM

Agenda

Introducción

Origen del Universo

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Radiación Cósmica de Fondo

Inflación cósmica

~~Teoría del Bing Bang y Religión~~

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Inteligencia de Negocios y Analítica Avanzada

In/JavierSQL

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What's Next?

	SALA 1	SALA 2
8:00 am	SALA 1 8:00 am → 15 min **Registro e Ingreso**	
	8:15 am → 40 min **Fabric - Analitica de Inicio a Fin** Diego Diaz Rodriguez Fabric Intermediate	8:15 am → 40 min **User Experience para Power BI** Mike Matamoros PowerBI Intermediate
8:55 am	8:55 am → 40 min **De Data Lake a Power BI: Transformación de Datos en el Viaje Analítico** Meibelyn Robles PowerBI Intermediate	8:55 am → 40 min **Breve Historia del Tiempo: explorando la dimensión de fechas** Andrea Loria Gurdian Javier Loria PowerBI Intermediate
9:35 am	SALA 1 9:35 am → 25 min **Refrigerio**	
10:00 am	10:00 am → 40 min **Brillando con Datos: Mejores Prácticas en el Modelado de Power BI y DAX** Leda Araya PowerBI Intermediate	10:00 am → 40 min **AI with Power BI** Isaac Chavarria PowerBI Intermediate
10:40 am	10:40 am → 40 min **Analytics in the era of AI** Steven Uba Fabric Introductory and overview	10:40 am → 40 min **Ejemplos de uso de Copilot en Power Platform: IA Generativa + Low Code** Mauricio Solorzano Wong PowerPlatform Introductory and overview
11:20 am	SALA 1 11:20 am → 10 min **Despedida**	

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Resources: