



WORLD HAPPINESS REPORT

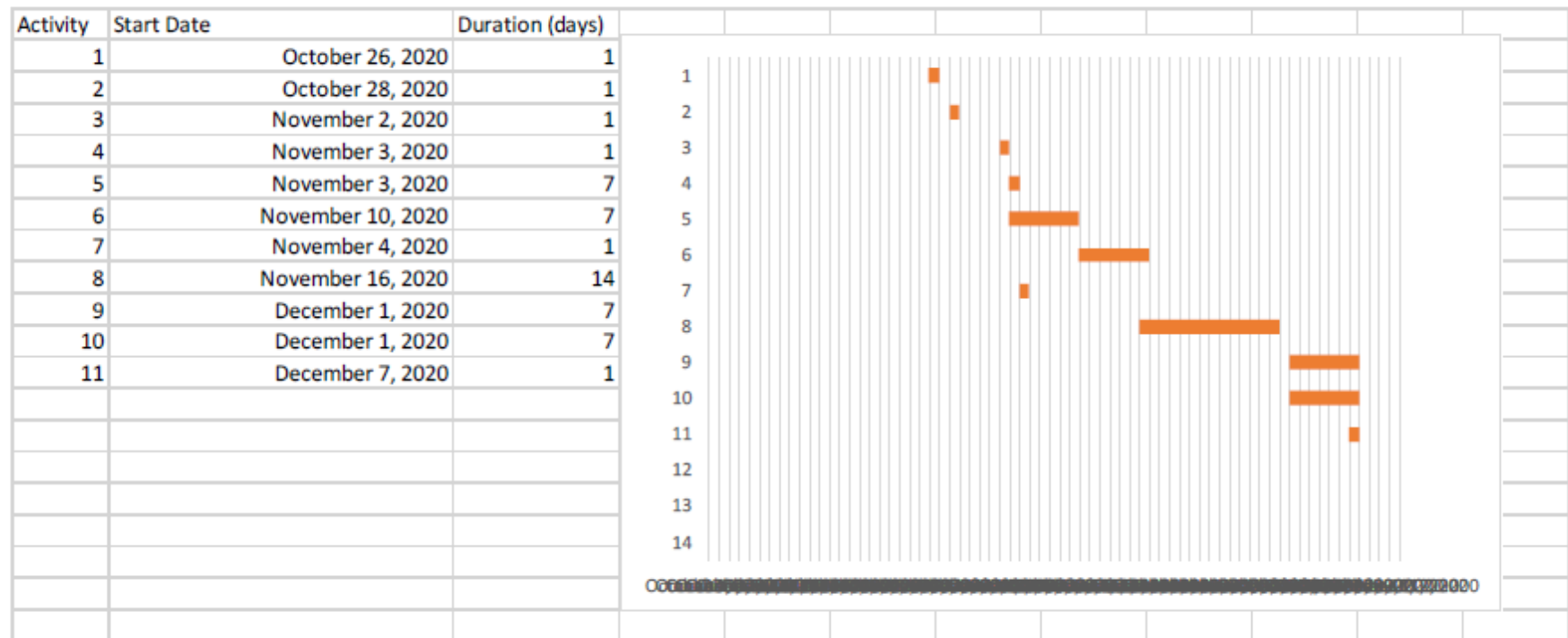
GROUP PROJECT OSYS 3017



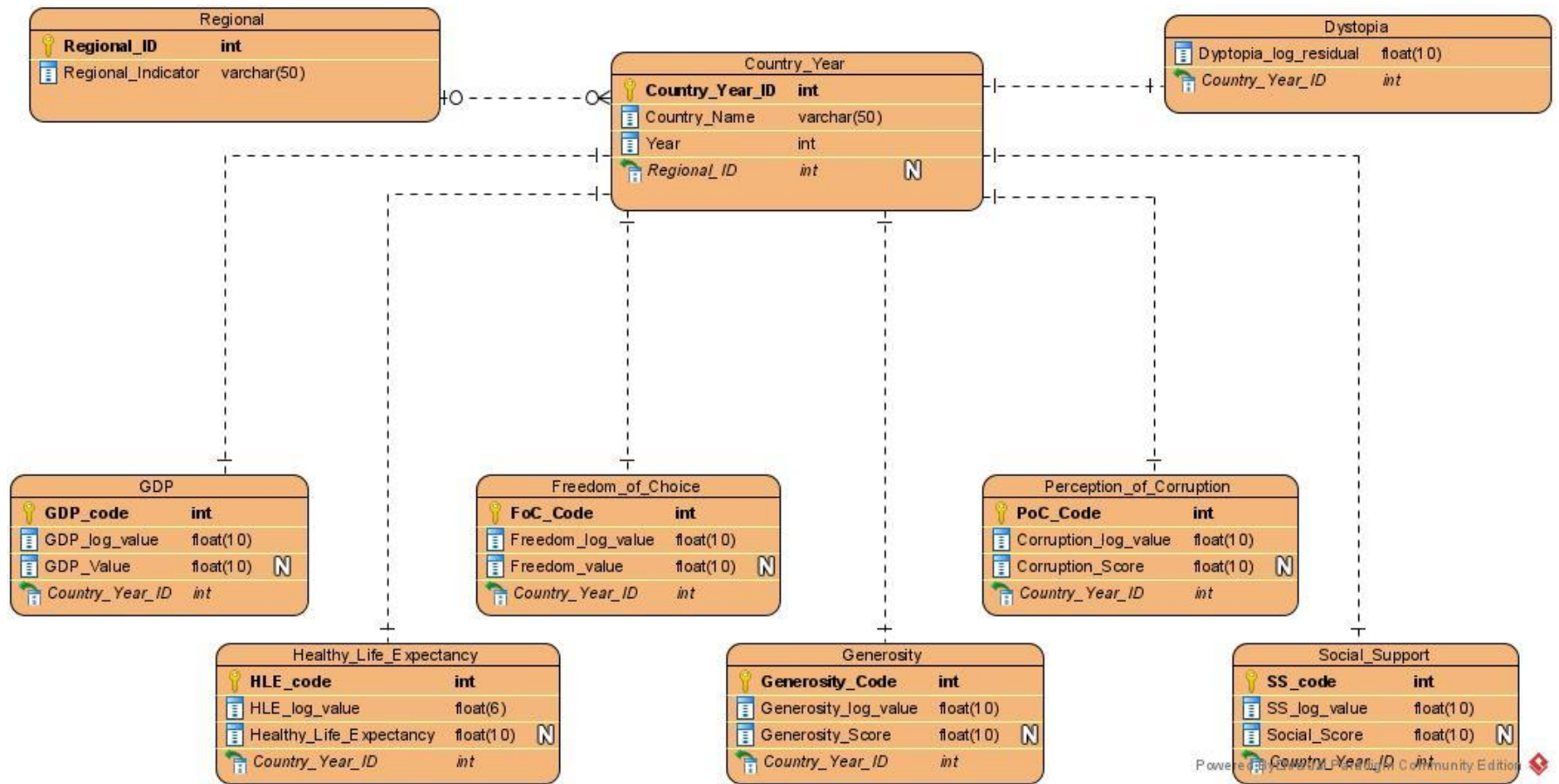
DECEMBER 7, 2020
COMPLIMENTS OF
LU, JAMIE | LEGER, AARON

GANTT Chart

	TASK / AGENDA	Assigned To	Start date	End Date
Task 1	Meeting 1- Choose a topic	Aaron, Jamie, Zack	26-Oct	28-Oct
Task 2	Discuss Topic	Aaron, Jamie, Zack	26-Oct	28-Oct
Task 3	Gantt Chart	Aaron, Jamie, Zack	28-Oct	07-Dec
Task 4	Activity Log	Aaron, Jamie, Zack	02-Nov	07-Dec
Task 5	Assigning Tasks	Aaron, Jamie, Zack	03-Nov	03-Nov
Task 6	ERD s	Aaron, Jamie	03-Nov	17-Nov
Task 7	Data Dictionary	Jamie, Aaron	03-Nov	07-Dec
Task 8	Scripting	Aaron, Jamie	18-Nov	07-Dec
Task 9	DDL	Jamie	18-Nov	27-Nov
Task 10	DML	Aaron	27-Nov	07-Dec
Task 11	Visualization Reports	Jamie, Aaron	07-Dec	07-Dec



World Happiness Report ERD



World Happiness Report Data Dictionary

Regional_Indicator

Name	Datatype	Size	Nullable	Description	Example	Keytype	Default
Regional_ID	INT	10	NOT NULL	Unique identifier assigned to each record in the Regional_Indicator table.	1	PK	
Regional_Indicator	VARCHAR	50	NOT NULL	Refers to the region the country belongs to	North America		

Country_Year

Name	Datatype	Size	Nullable	Description	Example	Keytype	Default
Country_Year_ID	INT	10	NOT NULL	Unique identifier assigned to each record in the Country_Year table.	1	PK	
Country_Name	VARCHAR	32	NOT NULL	Name of the country	Canada		
Year	INT	10	NOT NULL	TYear of the report	2020		
Regional_ID	INT	10	NULL	This is the Foreign Key that references the Regional_ID in the Regional Indicator table	1	FK	NULL

Dystopia

Name	Datatype	Size	Nullable	Description	Example	Keytype	Default
Dystopia_Code	INT	10	NOT NULL	Unique identifier assigned to each record in the Dystopia table.	1	PK	
Dystopia_log_residual	FLOAT	10	NOT NULL	The extent to which Dystopia contributes to the calculation of the Happiness Score	2.762835026		
Country_Year_ID	INT	10	NOT NULL	This is the Foreign Key that references the Country_Year_ID in the Country_Year table	1	FK	

Freedom_of_Choice

Name	Datatype	Size	Nullable	Description	Example	Keytype	Default
FoC_Code	INT	10	NOT NULL	Unique identifier assigned to each record in the Freedom_of_Choice table.	1	PK	
Freedom_log_value	FLOAT	10	NOT NULL	The extent to which Freedom contributes to the calculation of	0.66231674		

				the Happiness Score			
Freedom_value	FLOAT	10	NULL	Real world value for freedom	0.951444268		NULL
Country_Year_ID	INT	10	NOT NULL	This is the Foreign Key that references the Country_Year_ID in the Country_Year table	1	FK	

GDP

Name	Datatype	Size	Nullable	Description	Example	Keytype	Default
GDP_code	INT	10	NOT NULL	Unique identifier assigned to each record in the GDP table.	1	PK	
GDP_log_value	FLOAT	10	NOT NULL	The extent to which GDP contributes to the calculation of the Happiness Score.	1.285189509		
GDP_Value	FLOAT	10	NULL	Real world value for GDP	11.08780384		NULL
Country_Year_ID	INT	10	NOT NULL	This is the Foreign Key that references the Country_Year_ID in the Country_Year	1	FK	

				table			
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Generosity

Name	Datatype	Size	Nullable	Description	Example	Keytype	Default
Generosity_Code	INT	10	NOT NULL	Unique identifier assigned to each record in the Generosity table.	1	PK	
Generosity_log_value	FLOAT	10	NOT NULL	The extent to which Generosity contributes to the calculation of the Happiness Score.	0.336317569		
Generosity_Score	FLOAT	10	NULL	Real world value of Generosity	0.105911039		NULL
Country_Year_ID	INT	10	NOT NULL	This is the Foreign Key that references the Country_Year_ID in the Country_Year table	1	FK	

Healthy Life Expectancy

Name	Datatype	Size	Nullable	Description	Example	Keytype	Default
HLE_code	INT	10	NOT NULL	Unique identifier assigned to each record in the Healthy_Life_Expectancy table.	1	PK	

HLE_log_value	FLOAT	6	NOT NULL	The extent to which Healthy Life Expectancy contributes to the calculation of the Happiness Score.	0.961271405		
Healthy_Life_Expectancy	FLOAT	10	NULL	Real world value of Healthy Life Expectancy	72.30091858		NULL
Country_Year_ID	INT		NOT NULL	This is the Foreign Key that references the Country_Year_ID in the Country_Year table	1	FK	

Perception_of_Corruption

Name	Datatype	Size	Nullable	Description	Example	Keytype	Default
PoC_Code	INT	10	NOT NULL	Unique identifier assigned to each record in the Perception_of_Corruption table.	1	PK	
Corruption_log_value	FLOAT	10	NOT NULL	The extent to which Perception of Corruption contributes to the calculation of the Happiness Score.	0.144540772		
Corruption_Score	FLOAT	10	NULL	Real world value of Corruption score	0.711709738		NULL
Country_Year_ID	INT	10	NOT NULL	This is the Foreign Key that references the Country_Year_ID in the Country_Year table	1	FK	

Social Support

Name	Datatype	Size	Nullable	Description	Example	Keytype	Default
SS_code	INT	10	NOT NULL	Unique identifier assigned to each record in the Social Support table.	1	PK	
SS_log_value	FLOAT	10	NOT NULL	The extent to which Social Support contributes to the calculation of the Happiness Score.	1.547567487		
Social_Score	FLOAT	10	NULL	Real world value of Social Score	0.942846596		NULL
Country_Year_ID	INT		NOT NULL	This is the Foreign Key that references the Country_Year_ID in the Country_Year table	1	FK	

Activity Log

Name Jamie Lu

Date December 07, 2020

Directions:

Activity Column – list your daily activities

Planned or Unplanned – Was this activity planned or was it something that had to be done last minute?

Start time – The time you start a project

Duration– Add the time you have worked on the project

Activity	Planned or unplanned?	Date	Start Time	Duration
Research on various data sets	Planned	10/26/2020	11:37AM	42 MINS
Discuss the options for data sets	Planned	10/26/2020	12:19PM	10 MINS
Finalization on which data sets will be used	Planned	10/26/2020	12:29PM	20 MINS
Discussing and analyzing the data set	Planned	10/28/2020	10:09AM	16 MINS
Creating the GANTT Chart	Planned	10/28/2020	10:25AM	05 MINS
Add point to GANTT, send 2020 data set to George	Planned	11/2/2020	10:20AM	05 MINS
Find Activity log template & add tasks to GANTT chart with proposed timeline	Planned	11/3/2020	10:30AM	20 MINS
Assign ERD and Data dictionary tasks	Planned	11/3/2020	10:50AM	30 MINS
Discuss and edit ERD	Planned	11/4/2020	9:22AM	01 HR
Discuss and edit ERD	Planned	11/9/2020	11:00AM	1:15 HRS
Discuss Data dictionary tables, continue ERD	Planned	11/9/2020	10:50 AM	55 MINS
Finalize ERD	Planned	11/17/2020	9:45 AM	1:20 HRS
Discuss and edit Data dictionary tables	Unplanned	11/17/2020	11:05 AM	20 MINS
Start SQL script - DDL	Planned	11/18/2020	8:14AM	1:30 HRS
Cleaning CSV	Unplanned	11/24/2020	10:00 AM	1:29 HRS
Fix and continue Data Dictionary	Unplanned	11/07/2020	2:00 AM	01 HR
Fixed issues with script	Unplanned	12/07/2020	12:00 PM	01 HR
Finish Data Dictionary	Unplanned	12/07/2020	1:00 PM	20 MINS
Create Data Visualizations	Planned	12/07/2020	3:20 PM	3:10 HRS
Finalize Presentation	Planned	12/07/2020	6:30 PM	20 MINS
Finalize Activity Log and Submit	Planned	12/07/2020	8:25 PM	15 MINS