

**Power BI Workbook Name: Covid19.pbit**

About:			
Requested by:		Requested date:	
Developed by:		Completed date:	
Audience:			

**Summary Stats**

	Count
Pages #	9
Visuals #	21
Tables #	5
Columns #	33
Measures #	9

**Data Source(s)**

Data Source Connection	Source
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## List of Report Objects and Visuals

Page Name	Visual Type	Visual Container Name
State	textbox	875f98b616a6a0970312
State	slicer	State County
State	lineStackedColumnComboChart	5bc1fa7e86b13c8c32b9
King County New Cases	textbox	ed5e8786b45c03080816
King County New Cases	lineStackedColumnComboChart	4e56644846a48186d7db
King County Cases per day	card	71ef6d19b335ee5b2ae4
King County Cases per day	lineStackedColumnComboChart	bd6ed05416e082a1bcae
King County Cases per day	card	b4ba4b0262042302e437
King County Cases per day	tableEx	7b3abd9328570edd000a
Death over time	lineChart	621b8153863ce350168a
Death over time	slicer	3872536a2d0279290500
Death over time	slicer	2d78a5960e0d40d0b0c0
Death over time	card	71ef6d19b335ee5b2ae4
Death by state	clusteredColumnChart	ec596ea50620345d8d3d
Death by state	clusteredColumnChart	4649e958d33052020810
Death rate	clusteredColumnChart	6ec2a7d755327d569900
How it spread across the IUS	esriVisual	437c7e20e310305d4b25
Cases over time	lineChart	621b8153863ce350168a
Cases over time	slicer	3872536a2d0279290500
Cases over time	card	71ef6d19b335ee5b2ae4
Recent new cases	lineChart	6ae5dd645766cee81e48

## Tables(s) & Column(s)

Table Name	Field Name	Used ?
us-counties	date	Yes
us-counties	county	Yes
us-counties	state	Yes
us-counties	fips	No
us-counties	cases	Yes
us-counties	deaths	Yes
us-counties	StateCounty	Yes
us-counties	yesterday cases	No
us-counties	new cases	Yes

us-counties	New Cases 14 Day Average	No
FIPS	State	No
FIPS	State Code	No
FIPS	County Code	No
FIPS	County	No
FIPS	Class Code	No
County Population Data	2019 Est Population	No
County Population Data	County	No
County Population Data	State	No
County Population Data	Summary Level	No
County Population Data	StateCounty	Yes
Dates	date	Yes
King County	date	Yes
King County	county	Yes
King County	state	Yes
King County	fips	No
King County	cases	Yes
King County	deaths	Yes
King County	StateCounty	Yes
King County	yesterday	No
King County	yesterday cases	No
King County	new cases	Yes
King County	new case target	No
King County	New Cases Rolling 14 Day Average	Yes

## Measure(s)

Table Name	Measure Name	Expression	Used ?
us-counties	Death Rate	DIVIDE(SUM('us-counties'[deaths]), SUM('us-counties'[cases]))	Yes
us-counties	cases per 100k Population	DIVIDE( SUM('us-counties'[cases]), 'County Population Data'[100k Population] )	No
us-counties	County 14 Day Average new Cases	CALCULATE( AVERAGEX(FILTER('us-counties','us-counties'[StateCounty] = [StateCounty]),'us-counties'[new cases]), DATESINPERIOD('us-counties'[date], LASTDATE('us-counties'[date]), -14, DAY ) )	No
us-counties	14 Day Average new Cases	CALCULATE( sumx(FILTER('us-counties','us-counties'[state] = [state]),'us-counties'[new cases])/14, DATESINPERIOD('us-counties'[date], LASTDATE('us-counties'[date]), -14, DAY ) )	Yes
fips	new cases rolling average	IF( ISFILTERED('us-counties'[date]), ERROR("Time intelligence quick measures can only be grouped or filtered by the Power BI-provided date hierarchy or primary date column."), VAR _LAST_DATE = LASTDATE('us-counties'[date]) RETURN AVERAGEX( DATESBETWEEN( 'us-counties'[date], DATEADD( _LAST_DATE, -28, DAY), _LAST_DATE ), CALCULATE(SUM('us-	No

		counties'[new cases])) ) )	
count y popul ation data	100k Populatio n	sum('County Population Data'[2019 Est Population])/100000	No
count y popul ation data	deaths divided by 2019 Est Populatio n	DIVIDE( SUM('us-counties'[deaths]), SUM('County Population Data'[2019 Est Population]) )	Yes
king count y	new cases divided by 100k Populatio n	DIVIDE(SUM('King County'[new cases]), [100k Population])	Yes
king count y	New Cases 14 Day Average	CALCULATE( AVERAGEX(FILTER('King County','King County'[StateCounty] = [StateCounty]),'King County'[new cases]), DATESINPERIOD('King County'[date], LASTDATE('King County'[date]), -14,DAY ) )	Yes

# Relationship



Covid19.pbit



A small, hollow blue circle is positioned to the left of the text "Covid19.pbit".

# Pages

Page Name: State

State Summary stats

	Count
Visuals #	3
Visual Containers #	3
Filters #	0

Visuals Used in State

Visual Type	Visual Container
textbox	875f98b616a6a0970312
slicer	State County
lineStackedColumnComboChart	5bc1fa7e86b13c8c32b9



Page Name: King County New Cases

King County New Cases Summary stats

	Count
Visuals #	2
Visual Containers #	2
Filters #	0

Visuals Used in King County New Cases

Visual Type	Visual Container
textbox	ed5e8786b45c03080816
lineStackedColumnComboChart	4e56644846a48186d7db

## Page Name: King County Cases per day

### King County Cases per day Summary stats

	Count
Visuals #	4
Visual Containers #	4
Filters #	0

### Visuals Used in King County Cases per day

Visual Type	Visual Container
card	71ef6d19b335ee5b2ae4
lineStackedColumnComboChart	bd6ed05416e082a1bcae
card	b4ba4b0262042302e437
tableEx	7b3abd9328570edd000a

Page Name: Death over time

Death over time Summary stats

	Count
Visuals #	4
Visual Containers #	4
Filters #	0

Visuals Used in Death over time

Visual Type	Visual Container
lineChart	621b8153863ce350168a
slicer	3872536a2d0279290500
slicer	2d78a5960e0d40d0b0c0
card	71ef6d19b335ee5b2ae4

Page Name: Death by state

Death by state Summary stats

	Count
Visuals #	2
Visual Containers #	2
Filters #	0

Visuals Used in Death by state

Visual Type	Visual Container
clusteredColumnChart	ec596ea50620345d8d3d
clusteredColumnChart	4649e958d33052020810

Page Name: Death rate

Death rate Summary stats

	Count
Visuals #	1
Visual Containers #	1
Filters #	0

Visuals Used in Death rate

Visual Type	Visual Container
clusteredColumnChart	6ec2a7d755327d569900

Page Name: How it spread across the IUS

How it spread across the IUS Summary stats

	Count
Visuals #	1
Visual Containers #	1
Filters #	0

Visuals Used in How it spread across the IUS

Visual Type	Visual Container
esriVisual	437c7e20e310305d4b25

Page Name: Cases over time

Cases over time Summary stats

	Count
Visuals #	3
Visual Containers #	3
Filters #	0

Visuals Used in Cases over time

Visual Type	Visual Container
lineChart	621b8153863ce350168a
slicer	3872536a2d0279290500
card	71ef6d19b335ee5b2ae4

Page Name: Recent new cases

Recent new cases Summary stats

	Count
Visuals #	1
Visual Containers #	1
Filters #	0

Visuals Used in Recent new cases

Visual Type	Visual Container
lineChart	6ae5dd645766cee81e48



# Visuals

Visual Container Name: 875f98b616a6a0970312

875f98b616a6a0970312 Summary stats

	Count
Visual Types #	1
Measures #	0
Columns #	0
Filters #	0

Visual Type(s)

textbox
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## Visual Container Name: State County

### State County Summary stats

	Count
Visual Types #	1
Measures #	0
Columns #	2
Filters #	0

### Visual Type(s)

slicer
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### Column(s) Used

DB Name	Table Name	Field Name
	us-counties	state
	us-counties	county

## Visual Container Name: 5bc1fa7e86b13c8c32b9

### 5bc1fa7e86b13c8c32b9 Summary stats

	Count
Visual Types #	1
Measures #	1
Columns #	2
Filters #	1

### Visual Type(s)

lineStackedColumnComboChart

### Filter(s) applied on 5bc1fa7e86b13c8c32b9

Field Name	Type	Source
StateCounty	Categorical	us-counties

### Column(s) Used

DB Name	Table Name	Field Name
	us-counties	date
	us-counties	new cases

### Measure(s) Used

Table Name	Measure Name	Expression
us-counties	14 Day Average new Cases	CALCULATE( sumx(FILTER('us-counties','us-counties'[state] = [state]),'us-counties'[new cases])/14, DATESINPERIOD('us-counties'[date], LASTDATE('us-counties'[date]), -14, DAY ) )

**Visual Container Name: ed5e8786b45c03080816**

**ed5e8786b45c03080816 Summary stats**

	Count
Visual Types #	1
Measures #	0
Columns #	0
Filters #	0

**Visual Type(s)**

textbox
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## Visual Container Name: 4e56644846a48186d7db

### 4e56644846a48186d7db Summary stats

	Count
Visual Types #	1
Measures #	1
Columns #	2
Filters #	0

### Visual Type(s)

lineStackedColumnComboChart

### Column(s) Used

DB Name	Table Name	Field Name
	us-counties	date
	us-counties	new cases

### Measure(s) Used

Table Name	Measure Name	Expression
king county	New Cases 14 Day Average	CALCULATE( AVERAGEX(FILTER('King County','King County'[StateCounty] = [StateCounty]),'King County'[new cases]), DATESINPERIOD('King County'[date], LASTDATE('King County'[date]), -14,DAY ) )

## Visual Container Name: 71ef6d19b335ee5b2ae4

### 71ef6d19b335ee5b2ae4 Summary stats

	Count
Visual Types #	3
Measures #	0
Columns #	3
Filters #	0

### Visual Type(s)

card
card
card

### Column(s) Used

DB Name	Table Name	Field Name
	us-counties	date
	us-counties	date
	us-counties	date

## Visual Container Name: bd6ed05416e082a1bcae

### bd6ed05416e082a1bcae Summary stats

	Count
Visual Types #	1
Measures #	0
Columns #	3
Filters #	2

### Visual Type(s)

lineStackedColumnComboChart

### Filter(s) applied on bd6ed05416e082a1bcae

Field Name	Type	Source
date	RelativeDate	Dates
county	Categorical	us-counties

### Column(s) Used

DB Name	Table Name	Field Name
	us-counties	date
	us-counties	new cases
	King County	New Cases Rolling 14 Day Average



## Visual Container Name: b4ba4b0262042302e437

### b4ba4b0262042302e437 Summary stats

	Count
Visual Types #	1
Measures #	1
Columns #	0
Filters #	2

### Visual Type(s)

card
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### Filter(s) applied on b4ba4b0262042302e437

Field Name	Type	Source
date	RelativeDate	Dates
county	Categorical	us-counties

### Measure(s) Used

Table Name	Measure Name	Expression
king county	new cases divided by 100k Population	DIVIDE(SUM('King County'[new cases]), [100k Population])

## Visual Container Name: 7b3abd9328570edd000a

### 7b3abd9328570edd000a Summary stats

	Count
Visual Types #	1
Measures #	1
Columns #	3
Filters #	2

### Visual Type(s)

tableEx
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### Filter(s) applied on 7b3abd9328570edd000a

Field Name	Type	Source
date	RelativeDate	Dates
county	Categorical	us-counties

### Column(s) Used

DB Name	Table Name	Field Name
	us-counties	date
	us-counties	county
	us-counties	new cases

### Measure(s) Used

Table Name	Measure Name	Expression
king county	new cases divided by 100k Population	DIVIDE(SUM('King County'[new cases]), [100k Population])

## Visual Container Name: 621b8153863ce350168a

### 621b8153863ce350168a Summary stats

	Count
Visual Types #	2
Measures #	0
Columns #	9
Filters #	1

### Visual Type(s)

lineChart
lineChart

### Filter(s) applied on 621b8153863ce350168a

Field Name	Type	Source
date	RelativeDate	Dates

### Column(s) Used

DB Name	Table Name	Field Name
	us-counties	deaths
	us-counties	date
	us-counties	cases
	us-counties	date
	us-counties	deaths
	us-counties	date
	us-counties	date
	us-counties	state
	us-counties	cases

## Visual Container Name: 3872536a2d0279290500

### 3872536a2d0279290500 Summary stats

	Count
Visual Types #	2
Measures #	0
Columns #	2
Filters #	0

### Visual Type(s)

slicer
slicer

### Column(s) Used

DB Name	Table Name	Field Name
	us-counties	state
	us-counties	state

Visual Container Name: 2d78a5960e0d40d0b0c0

2d78a5960e0d40d0b0c0 Summary stats

	Count
Visual Types #	1
Measures #	0
Columns #	1
Filters #	0

Visual Type(s)

slicer
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Column(s) Used

DB Name	Table Name	Field Name
	us-counties	county

## Visual Container Name: ec596ea50620345d8d3d

### ec596ea50620345d8d3d Summary stats

	Count
Visual Types #	1
Measures #	0
Columns #	3
Filters #	1

### Visual Type(s)

clusteredColumnChart

### Filter(s) applied on ec596ea50620345d8d3d

Field Name	Type	Source
date	TopN	us-counties

### Column(s) Used

DB Name	Table Name	Field Name
	us-counties	state
	us-counties	deaths
	us-counties	cases

## Visual Container Name: 4649e958d33052020810

### 4649e958d33052020810 Summary stats

	Count
Visual Types #	1
Measures #	1
Columns #	1
Filters #	0

### Visual Type(s)

clusteredColumnChart

### Column(s) Used

DB Name	Table Name	Field Name
	us-counties	state

### Measure(s) Used

Table Name	Measure Name	Expression
county population data	deaths divided by 2019 Est Population	DIVIDE( SUM('us-counties'[deaths]), SUM('County Population Data'[2019 Est Population]) )

## Visual Container Name: 6ec2a7d755327d569900

### 6ec2a7d755327d569900 Summary stats

	Count
Visual Types #	1
Measures #	1
Columns #	2
Filters #	1

### Visual Type(s)

clusteredColumnChart

### Filter(s) applied on 6ec2a7d755327d569900

Field Name	Type	Source
date	TopN	us-counties

### Column(s) Used

DB Name	Table Name	Field Name
	us-counties	state
	us-counties	cases

### Measure(s) Used

Table Name	Measure Name	Expression
us-counties	Death Rate	DIVIDE(SUM('us-counties'[deaths]), SUM('us-counties'[cases]))



## Visual Container Name: 437c7e20e310305d4b25

### 437c7e20e310305d4b25 Summary stats

	Count
Visual Types #	1
Measures #	0
Columns #	3
Filters #	0

### Visual Type(s)

esriVisual
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### Column(s) Used

DB Name	Table Name	Field Name
	us-counties	date
	us-counties	cases
	us-counties	state

## Visual Container Name: 6ae5dd645766cee81e48

### 6ae5dd645766cee81e48 Summary stats

	Count
Visual Types #	1
Measures #	0
Columns #	3
Filters #	2

### Visual Type(s)

lineChart
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### Filter(s) applied on 6ae5dd645766cee81e48

Field Name	Type	Source
date	RelativeDate	us-counties
state	Categorical	us-counties

### Column(s) Used

DB Name	Table Name	Field Name
	us-counties	date
	us-counties	new cases
	us-counties	state