

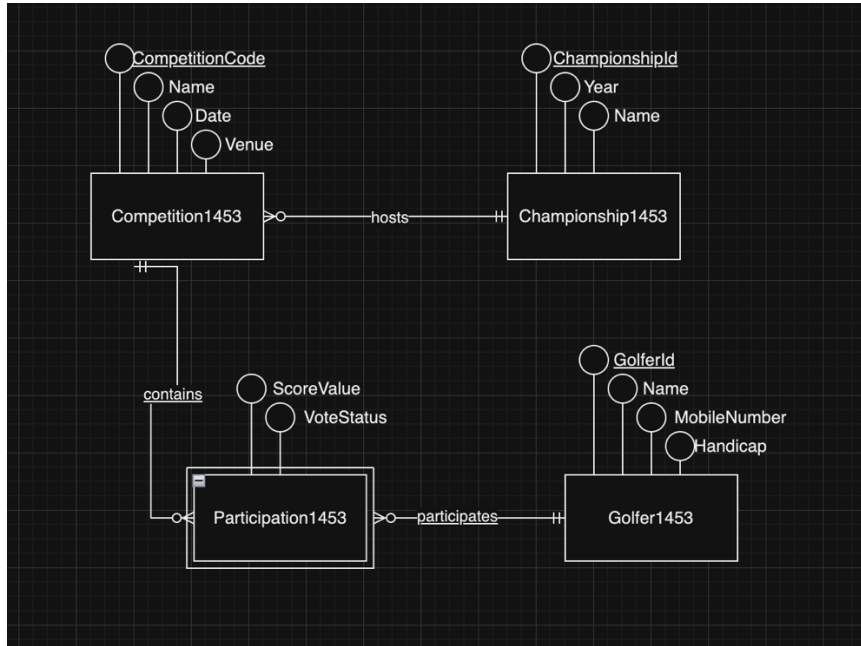
# INF10025 Distinction Task – Template

Enter your Student ID: 104071453

Name: Marco Giacoppo

## Part 1 ERDs and Schemas

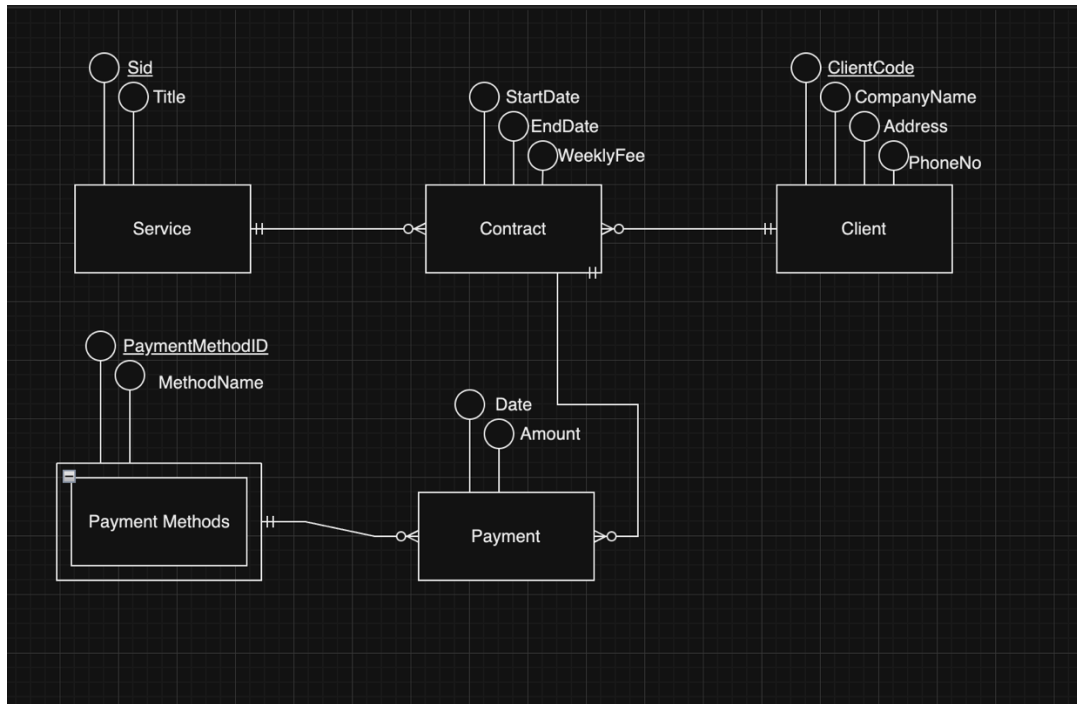
### Narrative 1 ERD



### Narrative 1 Schema

narrative 1 — Distinction Tasks	
narrative 1	narrative 2
1	Competition1453 (CompetitionCode, Name, Date, Venue, ChampionshipId)
2	Primary Key CompetitionCode
3	Foreign Key ChampionshipId REFERENCES Championship1453
4	
5	Championship1453 (ChampionshipId, Year, Name)
6	Primary Key ChampionshipId
7	
8	Golfer1453 (GolferId, Name, MobileNumber, Handicap)
9	Primary Key GolferId
10	
11	Participation1453 (Scorevalue, VoteStatus, GolferId, CompetitionCode)
12	Primary Key GolferId, CompetitionCode
13	Foreign Key GolferId REFERENCES Golfer1453
14	Foreign Key CompetitionCode REFERENCES Competition1453

## Narrative 2 ERD



## Narrative 2 Schema

narrative 2 — Distinction Tasks	
narrative 1	narrative 2
1	Service (Sid, Title)
2	Primary Key Sid
3	
4	Contract (StartDate, EndDate, WeeklyFee, Sid, ClientCode)
5	Primary Key (Sid, ClientCode)
6	Foreign Key Sid REFERENCES Service(Sid)
7	Foreign Key ClientCode REFERENCES Client(ClientCode)
8	
9	Client (ClientCode, CompanyName, Address, PhoneNo)
10	Primary Key ClientCode
11	
12	Payment (Date, Amount, Sid, ClientCode, PaymentMethodID)
13	Primary Key (Sid, ClientCode, PaymentMethodID)
14	Foreign Key Sid REFERENCES Service(Sid)
15	Foreign Key ClientCode REFERENCES Client(ClientCode)
16	Foreign Key PaymentMethodID REFERENCES PaymentMethods(PaymentMethodID)
17	
18	PaymentMethods(PaymentMethodID, MethodName)
19	Primary Key PaymentMethodID

Line: 13 Plain Text

Tab Size: 4

## Part 2 Building Database

Design Views and Datasheet views of 3 Tables created here.

Sort & Filter			Records		Find	
Events	People	Results	XCategory	EventTypes	AgeCategory	
Event Type	Description	Click to Add				
BO	Bush Orienteering					
CCR	Cross Country Race					
MTB	Mountain Bike Race					
PO	Parkland Orienteering					
RB	Road Bike Race					
RN	Running Race					
SP	Special Race					
*						

Sort & Filter			Records		Find	
Events	People	Results	XCategory	EventTypes	AgeCategory	
Age Category	Desc	Click to Add				
1	Under 20					
2	20 to 29					
3	30 to 39					
4	40 to 49					
5	Over 50					
*	(New)					

Sort & Filter			Records		Find	
Events	People	Results	XCategory	EventTypes	AgeCategory	
X Category	Description	Click to Add				
A	Rookie					
B	Intermediate					
C	Veteran					
D	Legend					
*						

## Part 3. Queries and Insert Data

### Q1. People Query

Design:

People Query

People

- Person Id
- Name
- Gender
- State
- Age Category
- Donation
- T Shirt Size
- Member
- X Category

Field:	Person Id	Name	Donation	Gender	State
Table:	People	People	People	People	People
Sort:			Descending		
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:					
or:					

Result Set:

Person Id	Name	Donation	Gender	State
1401	Paul Asnthony	\$482	M	WA
1031	Ava glover	\$482	F	VIC
2223	Andrew Farrimond	\$482	M	WA
1476	Christine Sacrey	\$482	F	QLD
2138	Brandon Conceicao	\$482	M	QLD
1615	Bella Bonnici	\$481	F	TAS
1263	Daniel Martin	\$481	M	NSW
1250	Isabella Mejia	\$481	F	TAS
2781	Auguste Herbunot	\$480	M	SA
2073	Jamie Fry	\$480	M	SA

### Q2. Donation

Design:

Donation Query

People

- Person Id
- Name
- Gender
- State
- Age Category
- Donation
- T Shirt Size
- Member
- X Category

Field:	TotalDonations: Sum(donation)	AverageDonation: Avg(donation)
Table: <td></td> <td></td>		
Sort: <td></td> <td></td>		
Show: <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:		
or:		

Result Set:

Sort & Filter	
Results	No Results Query
Gender Query	
TotalDonations	AverageDonation
\$418,600.00	\$215.00

### Q3. Gender

Design:

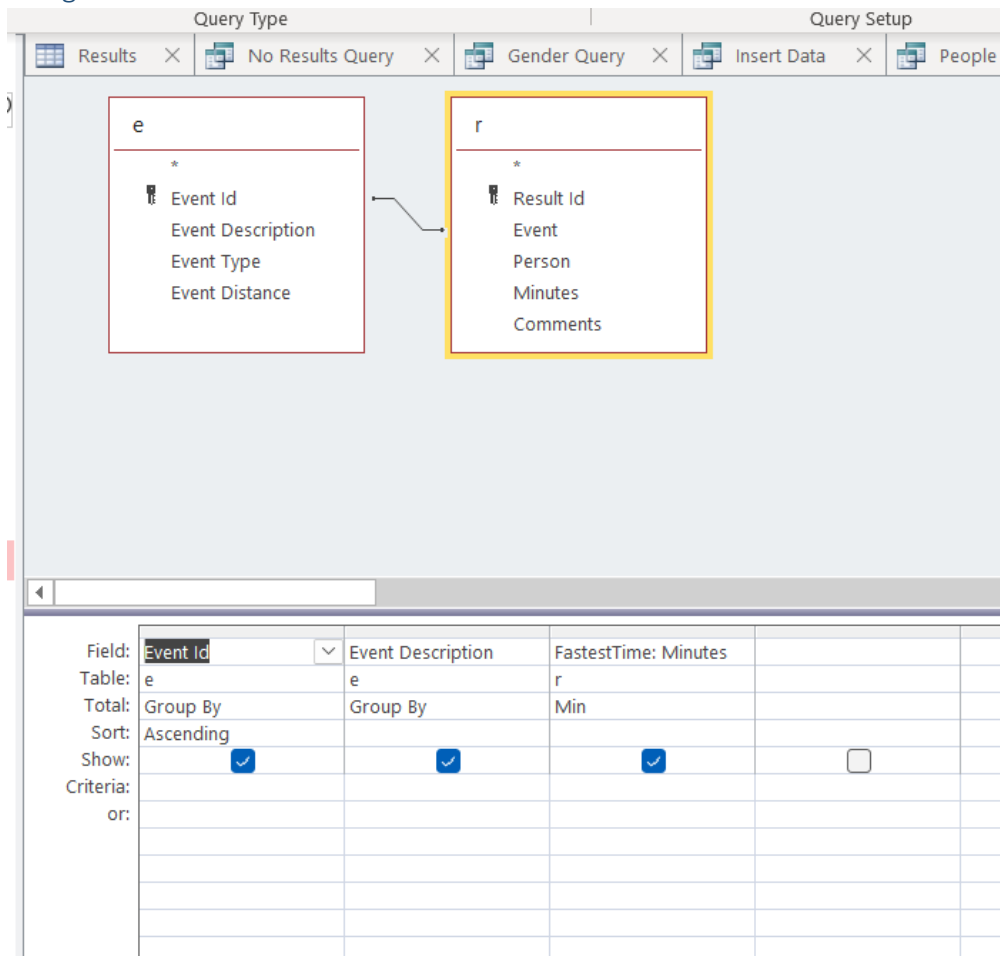
Query Type		Query Setup	
Results	No Results Query	Gender Query	Insert Data
<div>People</div> <div>* Person Id Name Gender State Age Category</div>			
Field:	gender	Count: Count(*)	member
Table:	People	People	People
Total:	Group By	Expression	Where
Sort:			
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Criteria:			'N'
or:			

Result Set:

Sort & Filter	
Results	No Results Query
Gender Query	
gender	Count
F	548
I	9
M	429

## Q4. Fastest

Design:



Result Set:

Event Id	Event Description	FastestTime
1	Road Bike Rampage	14
2	Tour de Melbourne	29
3	Velo Venture	76
4	Push It Pursuit	107
5	Explorer Challenge	12
6	Uphill Haul	24
7	Trees and Rocks	36
8	Serious Stuff	48
9	Jolly Jogger	10
10	Road Run	17
11	Reality Race	27
12	Tarmac Torture	41
13	Cross Country Crusade	8
14	Cross Country Burner	16
15	Cross Country Onslaught	24
16	Cross Country OMG	32
17	Summer Saunter	10
18	2 foot feat	20
19	Find it Fast	30
20	All Out Attack	40
21	Bush Beginner	12
22	Bush Bash	25
23	Bush Buster	36
24	Bush Serious	48
25	Student Special Walking Race	24

## Q5. Better than Average

Design:

Field:	Table:	Sort:	Show:	Criteria:	or:
Person Id	p		<input checked="" type="checkbox"/>		
Name	p		<input checked="" type="checkbox"/>		
Gender	p		<input checked="" type="checkbox"/>		
Minutes	r		<input checked="" type="checkbox"/>	<(SELECT AVG([Minutes]) FROM Results WHERE [Event] = 2)	
Event	r		<input type="checkbox"/>		2

Result Set:

Person Id	Name	Gender	Minutes
1012	Melissa Rapoza	F	39
1018	Theodore Lazar	M	43
1084	Joel Bendeich	M	33
1098	Laura Williams	F	40
1100	Alexandra Scott	F	36
1104	Cesar Bonifacio	M	48
1212	Astrid Murray	F	50
1247	Justine Hauser	F	56
1260	Holly Chesterma	F	35
1311	Kyunghee Park	F	40

## Q6. Persons with No Results

Design:

Query Type | Query Setup

Results × No Results Query × Gender Query × Insert Data × People ×

p

\*

Person Id

Name

Gender

State

Age Category

r

\*

Result Id

Event

Person

Minutes

Comments

Field:	Person Id	Name	Gender	Result Id
Table:	p	p	p	r
Sort:				
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Criteria:				Is Null
or:				

Result Set:

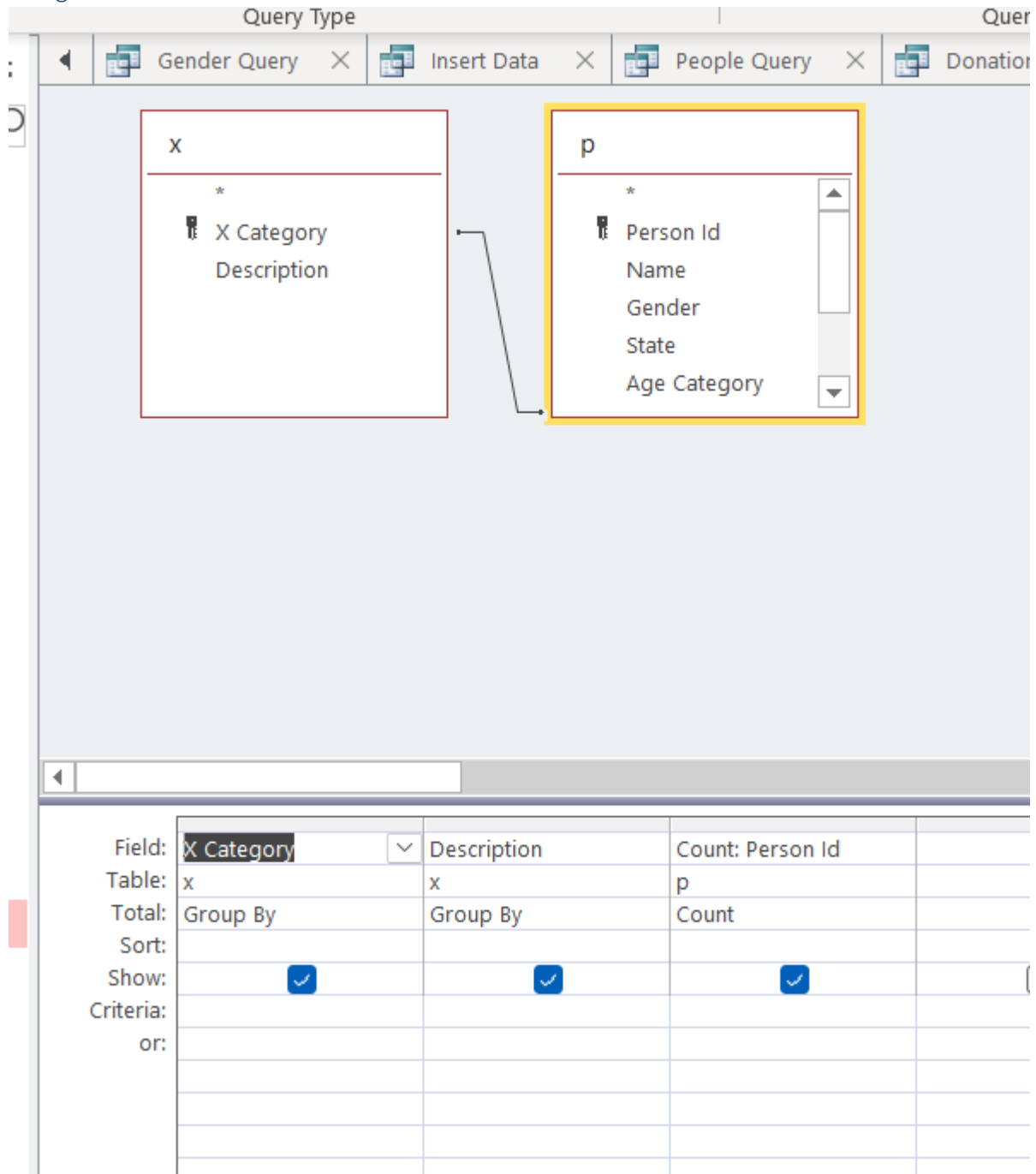
Results × No Results Query × Gender Query

Person Id	Name	Gender
2922	Tom Sibley	M
2923	Sree Nair	F
2924	Julie Dobbie	F
2925	Samantha Milla	F
2926	Rebecca Depetr	F
2927	Paul Egan	M
2928	Bill Buttler	M
2929	Colleen Brown	F
2930	Jennifer Dawson	F
2931	Ricky Field	M
2932	Belinda Field	F



## Q7. XCategory

Design:



Result Set:

Sort & Filter			
	Results	No Results Query	Gender Query
X Category	Description	Count	
A	Rookie	471	
B	Intermediate	484	
C	Veteran	510	
D	Legend	482	

## Q7. Insert Your data and Event 25

Result Set:

Person Id	Name	Gender	State	Donation	Result Time
104071453	Marco Giacoppo	M	VIC	\$1,750	24
2940	Lilly Thomas	F	NT	\$123	36
2941	Brodie Dempster	F	TAS	\$168	39
2942	Alexander Ivancic	I	ACT	\$133	31
2943	Shara Gillahan	F	SA	\$384	47
2944	Peter Schubert	M	SA	\$185	42
2945	Harriet Mendelson	F	NSW	\$161	28
*					

## Part 4 Visualizations

### Q1. Member Category Viz

Settings:

**Filters**

Search

Filters on this visual

Count of Person Id is (All)

Gender is (All)

Member is (All)

Filter type

Basic filtering

Search

☐ Select all

☐ N 986

☐ Y 961

☐ Require single selection

Add data fields here

**Visualizations**

Legend

Member

Details

Gender

Values

Count of Person Id

Tooltips

Add data fields here

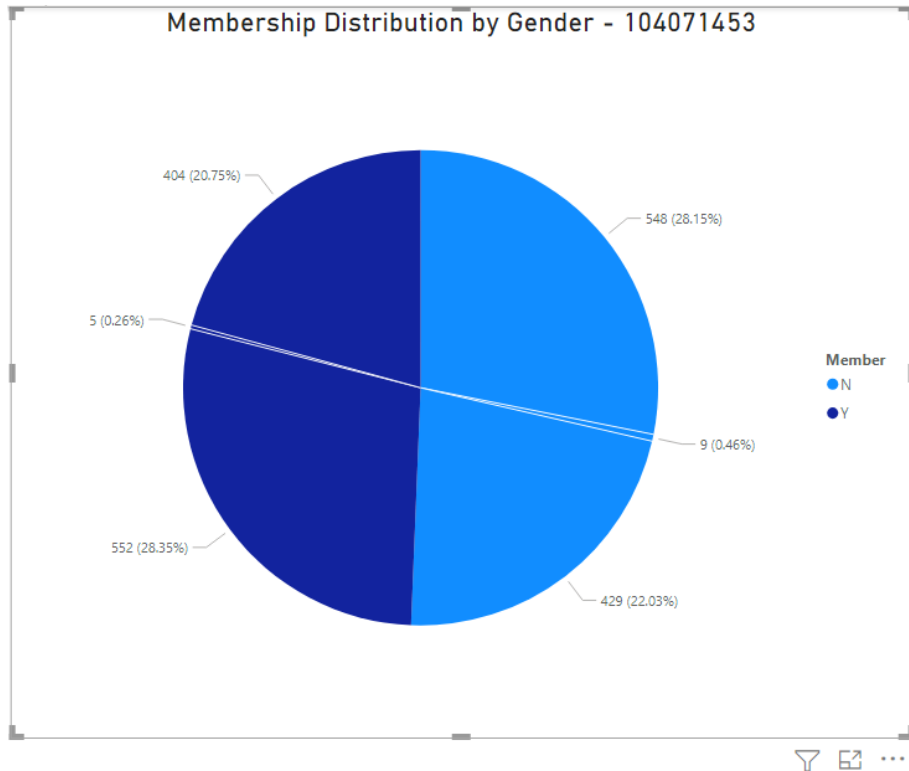
**Drill through**

Cross-report

Off

Keep all filters

Visualization:



## Q2. Age Category Viz

Settings:

Filters

Search

Filters on this visual

Age Category is (All)

Count of Person Id is (All)

Add data fields here

Filters on this page

Add data fields here

Filters on all pages

Add data fields here

Visualizations

Fields

Axis

Age Category

Legend

Add data fields here

Values

Count of Person Id

Small multiples

Add data fields here

Tooltips

Add data fields here

Drill through

Cross-report

Fields

Search

AgeCategory

Events

EventTypes

People

Age Category

Donation

Gender

Member

Name

Person Id

State

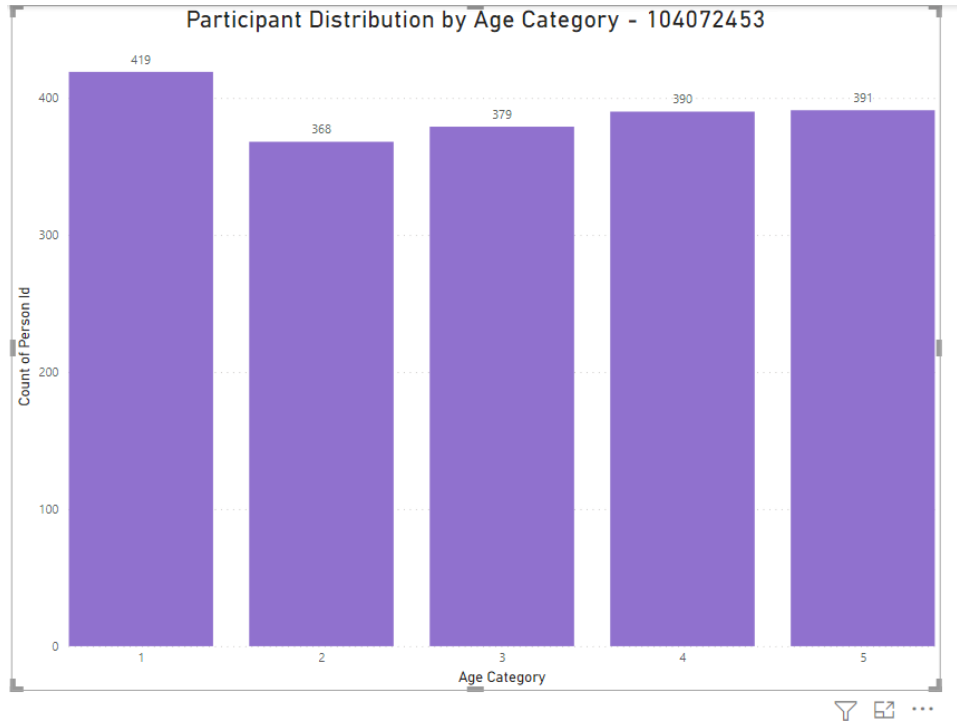
T Shirt Size

X Category

Results

XCategory

Visualization:



### Q3. X Category Viz

Settings:

Visualizations

Fields

Filters

Count of Person Id is (All)

Gender is (All)

X Category is (All)

Add data fields here

Filters on this page

Add data fields here

Filters on all pages

Add data fields here

Visualizations

Fields

Axis

X Category

Legend

Gender

Values

Count of Person Id

Small multiples

Add data fields here

Tooltips

Add data fields here

Drill through

Cross-report

Fields

Search

AgeCategory

Events

EventTypes

People

Age Category

Donation

Gender

Member

Name

Person Id

State

T Shirt Size

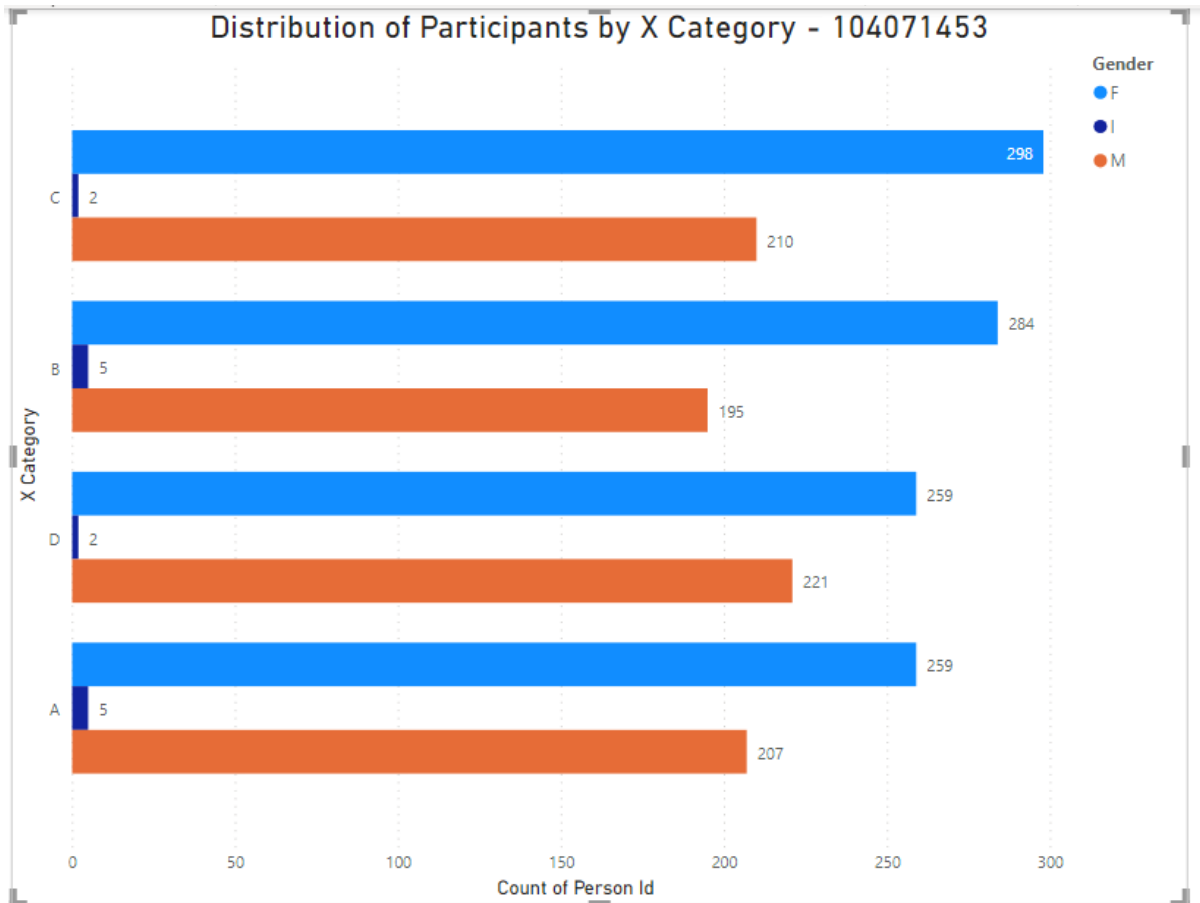
X Category

Results

XCategory

12:04 AM 5/10/2024

Visualization:



## Q4. Event Viz

Settings:

**Filters**

Search

Filters on this visual

Average of Minutes is (All)

Event Description is (All)

Add data fields here

Filters on this page

Add data fields here

Filters on all pages

Add data fields here

**Visualizations**

Axis

Event Description

Legend

Add data fields here

Values

Average of Minutes

Secondary values

Add data fields here

Small multiples

Add data fields here

Tooltips

Add data fields here

**Fields**

Search

AgeCategory

Events

Event Description

Event Distance

Event Id

Event Type

EventTypes

People

Results

Comments

Event

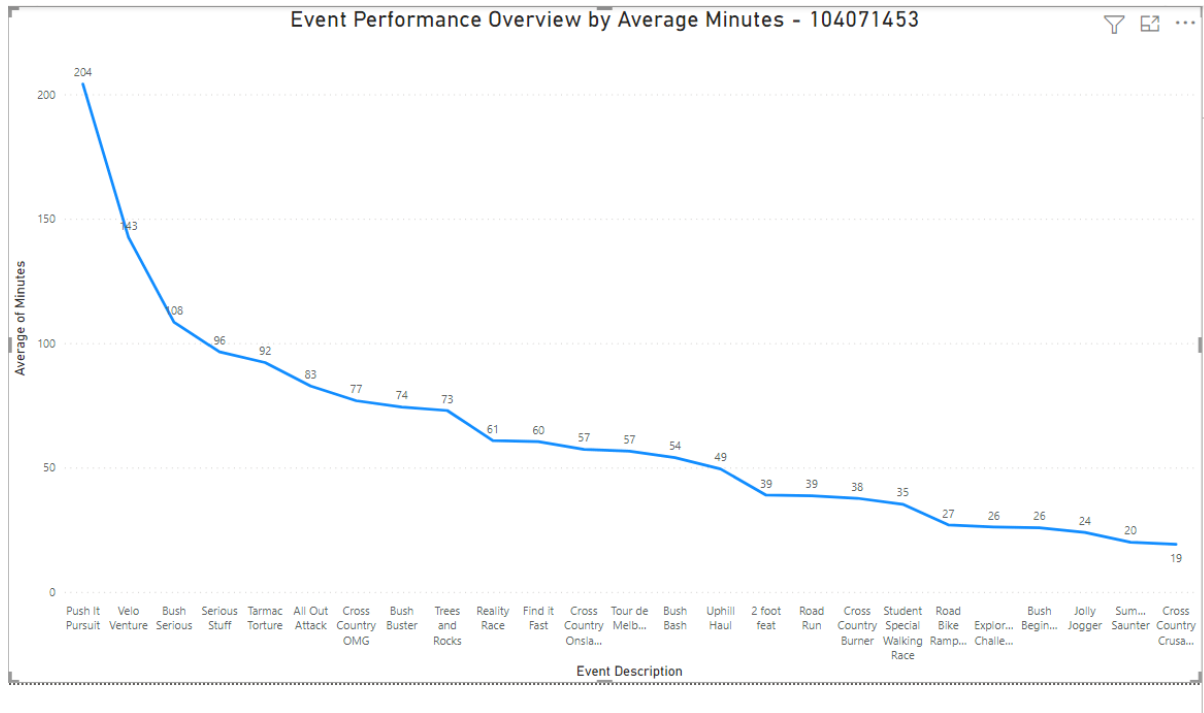
Minutes

Person

Result Id

XCategory

## Visualization:



## Q5. Event 25 Viz

### Settings:

Filters

Search

Filters on this visual

Donation is (All)

Name is (All)

Result Time is (All)

Add data fields here

Filters on this page

Add data fields here

Filters on all pages

Add data fields here

Visualizations

Fields

Search

AgeCategory

Events

EventTypes

Insert Data

Donation

Gender

Name

Person Id

Result Time

State

People

Results

XCategory

Shared axis

Name

Column series

Add data fields here

Column values

Donation

Result Time

Line values

Add data fields here

Small multiples

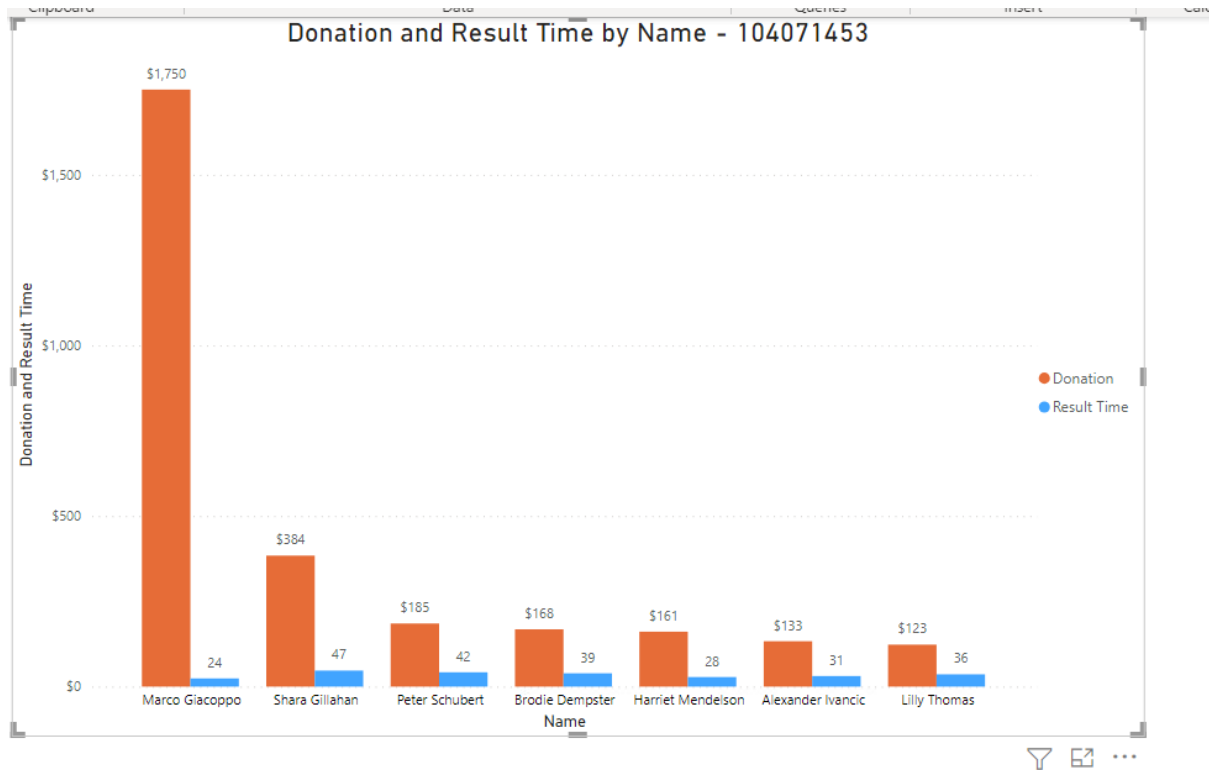
Add data fields here

Tooltips

Add data fields here

12:18 AM 5/10/2024

## Visualization:



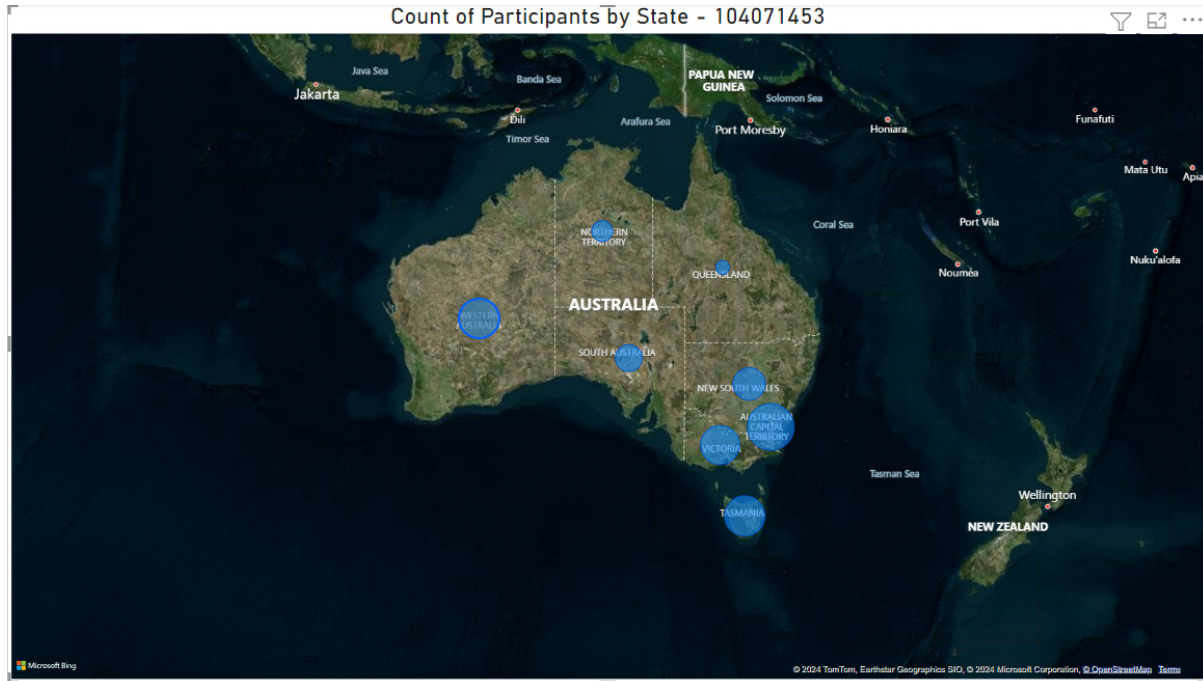
## Q6. Extra Viz 1

### Settings:

The screenshot shows the "Settings" pane for a visualization in Power BI. The pane is divided into three main sections: "Filters", "Visualizations", and "Fields".

- Filters:** Contains a search bar and three filter sections: "Filters on this visual" (with "Count of Person Id is (All)" and "State is (All)"), "Filters on this page" (with "Add data fields here"), and "Filters on all pages" (with "Add data fields here").
- Visualizations:** Contains a search bar, a list of visualization types (Bar, Line, Pie, etc.), and a list of fields to be added to the visualization. The "Location" section has "State" selected. The "Legend" section has "Add data fields here". The "Latitude" section has "Add data fields here". The "Longitude" section has "Add data fields here". The "Size" section has "Count of Person Id" selected. The "Tooltips" section has "Add data fields here".
- Fields:** Contains a search bar and a list of fields. The "People" section is expanded, showing fields like "Age Category", "Donation", "Gender", "Member", "Name", "Person Id", "State", "T Shirt Size", and "X Category". The "Results" section is also expanded, showing "XCategory".

Visualization:



## Q7. Extra Viz 2

Settings:

The screenshot shows the "Settings" pane for a visualization in Power BI. The pane is divided into three main sections: Filters, Visualizations, and Fields.

- Filters:** Contains a search bar and three filter cards: "Average of Minutes is (All)", "Count of Person is (All)", and "Event Type is (All)". Below these are sections for "Filters on this page" and "Filters on all pages", each with an "Add data fields here" button.
- Visualizations:** Contains a search bar and a grid of visualization icons. Below the icons are sections for "Axis" (with "Event Type" selected), "Legend", "Values" (with "Count of Person" and "Average of Minutes" selected), "Secondary values", "Small multiples", and "Tooltips".
- Fields:** Contains a search bar and a list of fields. The "Event Type" field is checked. Other fields include "Event Description", "Event Distance", "Event Id", "Event Types", "Insert Data", "People", "Age Category", "Donation", "Gender", "Member", "Name", "Person Id", "State", "T Shirt Size", "X Category", "Results", "Comments", "Event", "Minutes", "Person", "Result Id", and "XCategory".

The Windows taskbar at the bottom shows the time as 12:43 AM on 5/10/2024.



Visualization:

