

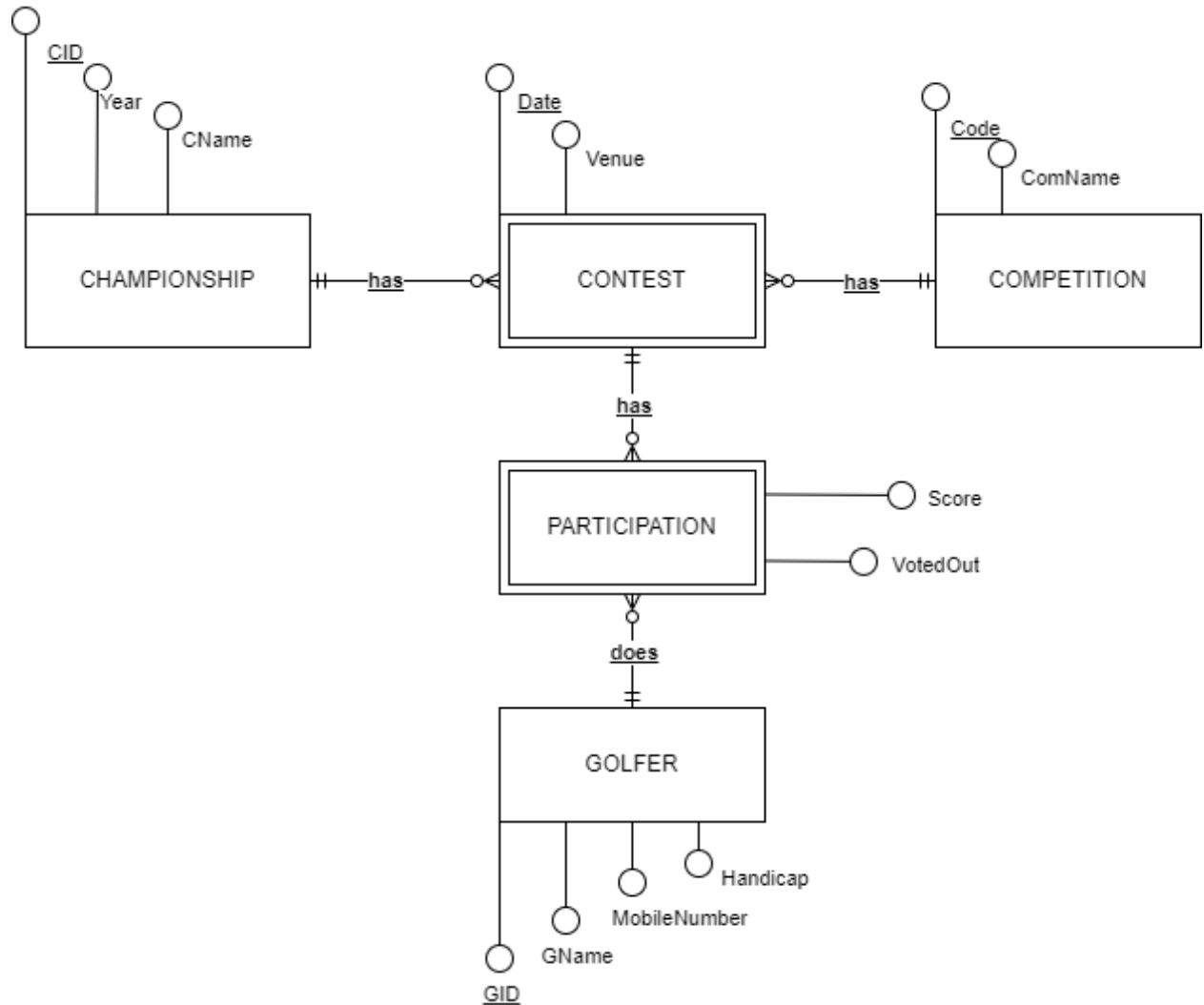
DAD Distinction Task – Template

Enter your Student ID: 103181157

Name: Nguyen Nam Tung

Part 1 ERDs and Schemas

Narrative 1 ERD



Narrative 1 Schema

CHAMPIONSHIP (CID, Year, CName)

PK (CID)

COMPETITION (Code, ComName)

PK (Code)

GOLFER (GID, GName, MobileNumber, Handicap)

PK (GID)

CONTEST (CID, Code, Date, Venue)

PK (CID, Code, Date)

FK (CID) REFERENCES CHAMPIONSHIP

FK (Code) REFERENCES COMPETITION

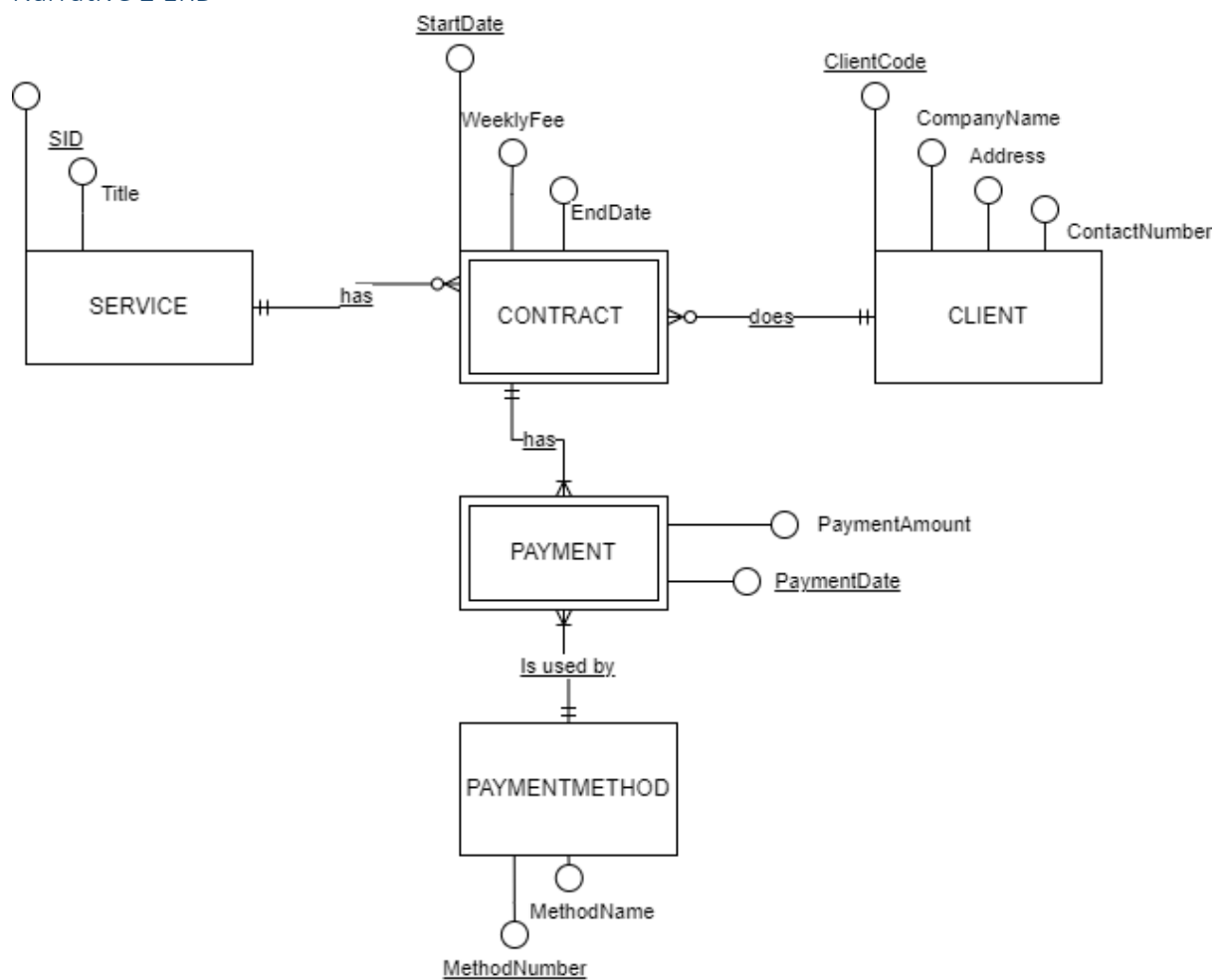
PARTICIPATION (GID, CID, Code, Date, Score, VotedOut)

PK (GID, CID, Code, Date)

FK (CID, Code, Date) REFERENCES CONTEST

FK (GID) REFERENCES GOLFER

Narrative 2 ERD



Narrative 2 Schema

SERVICE (SID, Title)

PK (SID)

CLIENT (ClientCode, CompanyName, Address, ContactNumber)

PK (ClientCode)

PAYMENTMETHOD (MethodNumber, MethodName)

PK (MethodNumber)

CONTRACT (SID, ClientCode, StartDate, WeeklyFee, EndDate)

PK (SID, ClientCode, StartDate)

FK (SID) REFERENCES SERVICE

FK (ClientCode) REFERENCES CLIENT

PAYMENT (SID, ClientCode, StartDate, MethodNumber, PaymentAmount, PaymentDate)

PK (SID, ClientCode, StartDate, MethodNumber, PaymentDate)

FK (SID, ClientCode, StartDate) REFERENCES CONTRACT

FK (MethodNumber) REFERENCES PAYMENTMETHOD

Part 2 Building Database

Design Views and Datasheet views of 3 Tables created here.

AgeCategory	
Field Name	Data Type
Age Category	AutoNumber
Age Description	Short Text

AgeCategory		
Age Category	Age Description	Click to Add
1	Under 20	
2	20 to 29	
3	30 to 39	
4	40 to 49	
5	Over 50	
*	(New)	

EventTypes	
Field Name	Data Type
Event Type	Short Text
Type Description	Short Text

EventTypes ✕		
Event Type ▾	Type Description ▾	Click to Add ▾
RB	Road Bike Race	
MTB	Mountain Bike Race	
RN	Running Race	
CCR	Cross Country Race	
PO	Parkland Orienteering	
BO	Bush Orienteering	
SP	Special Race	
*		

XCategory ✕		
	Field Name	Data Type
	X Category	Short Text
	Category Description	Short Text

XCategory ✕		
X Category ▾	Category Description ▾	Click to Add ▾
A	This person makes less than 30000 \$ a year	
B	This person makes between 30000 \$ and 50000 \$ a year	
C	This person makes between 50000 \$ and 70000 \$ a year	
D	This person makes more than 70000 \$ a year	
*		

Part 3. Queries and Insert Data

Q1. People Query

Design:

Q1

People

*

Person Id

Name

Gender

State

Age Category

Donation

T Shirt Size

Member

X Category

Field:

Table:

Sort:

Show:

Criteria:

or:

Person Id	Name	Donation	Gender	State
People	People	People	People	People
		Descending		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Result Set:

Person Id	Name	Donation	Gender	State
2557	Anand Muruga	\$528.00	M	ACT
2623	Cameron Ston	\$528.00	M	VIC
1587	Kirstie Troutm	\$528.00	F	ACT
1351	Vicki Robinson	\$527.00	F	ACT
2589	Dave Harrison	\$527.00	M	ACT
2106	Justin Talvy	\$527.00	M	SA
2137	Wendy Round	\$525.00	F	TAS
2191	Todd Winton	\$525.00	M	QLD
2891	Maria Ford	\$525.00	F	WA
2119	Charles Burns	\$524.00	M	ACT

Q2. Donation

Design:

Q2

People

*

Person Id

Name

Gender

State

Age Category

Field:	Donation	Donation	
Table:	People	People	
Total:	Sum	Avg	
Sort:			
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Criteria:			
or:			

Result Set:

Q2	
SumOfDona	AvgOfDonat
\$433,184.00	\$228.47

Q3. Gender

Design:

Q3

People

*

Person Id

Name

Gender

State

Age Category

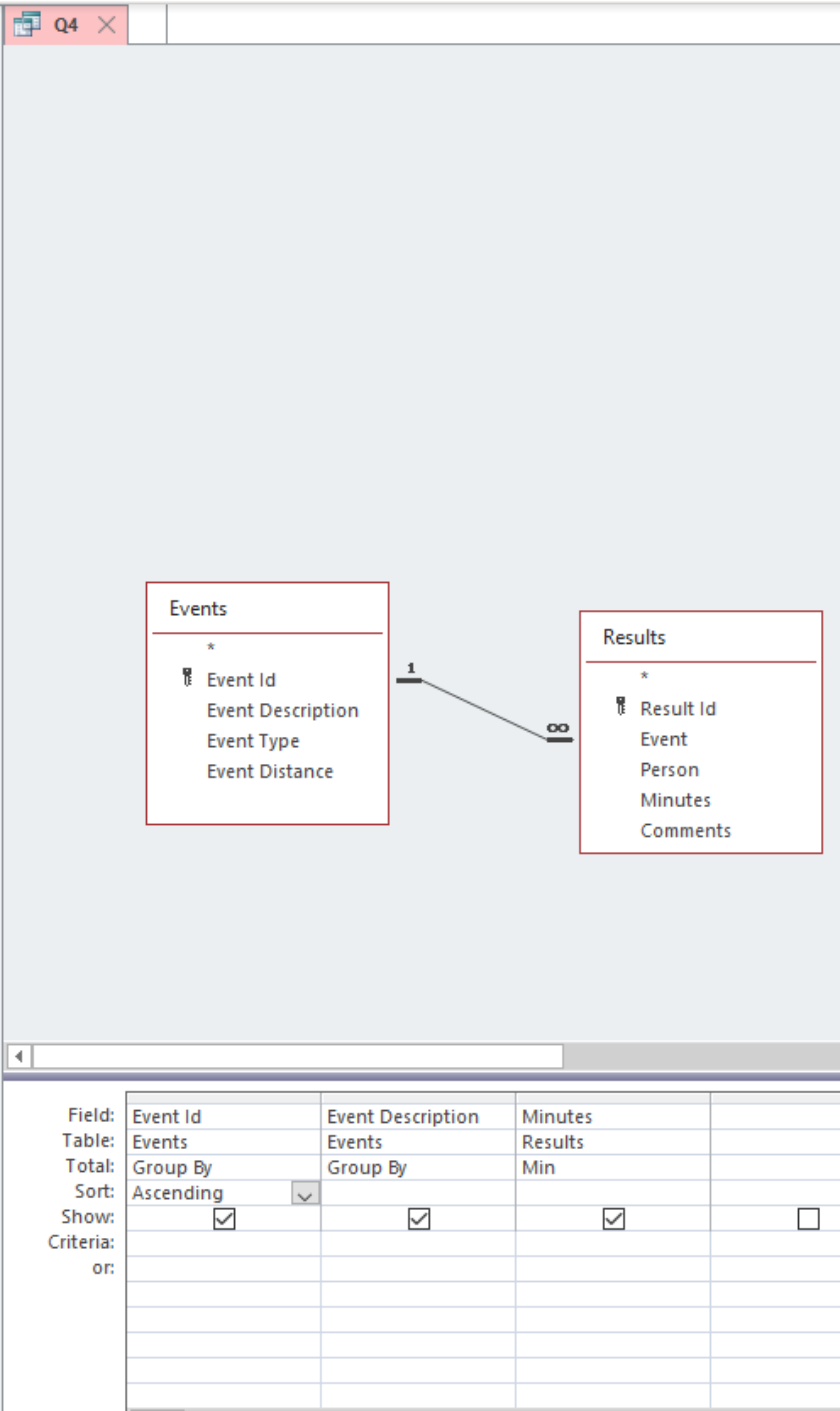
Field:	Gender	Member	Member
Table:	People	People	People
Total:	Group By	Group By	Count
Sort:			
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:		= 'N'	
or:			

Result Set:

	Gender	Member	CountOfMember
	F	N	532
	I	N	4
	M	N	413

Q4. Fastest

Design:

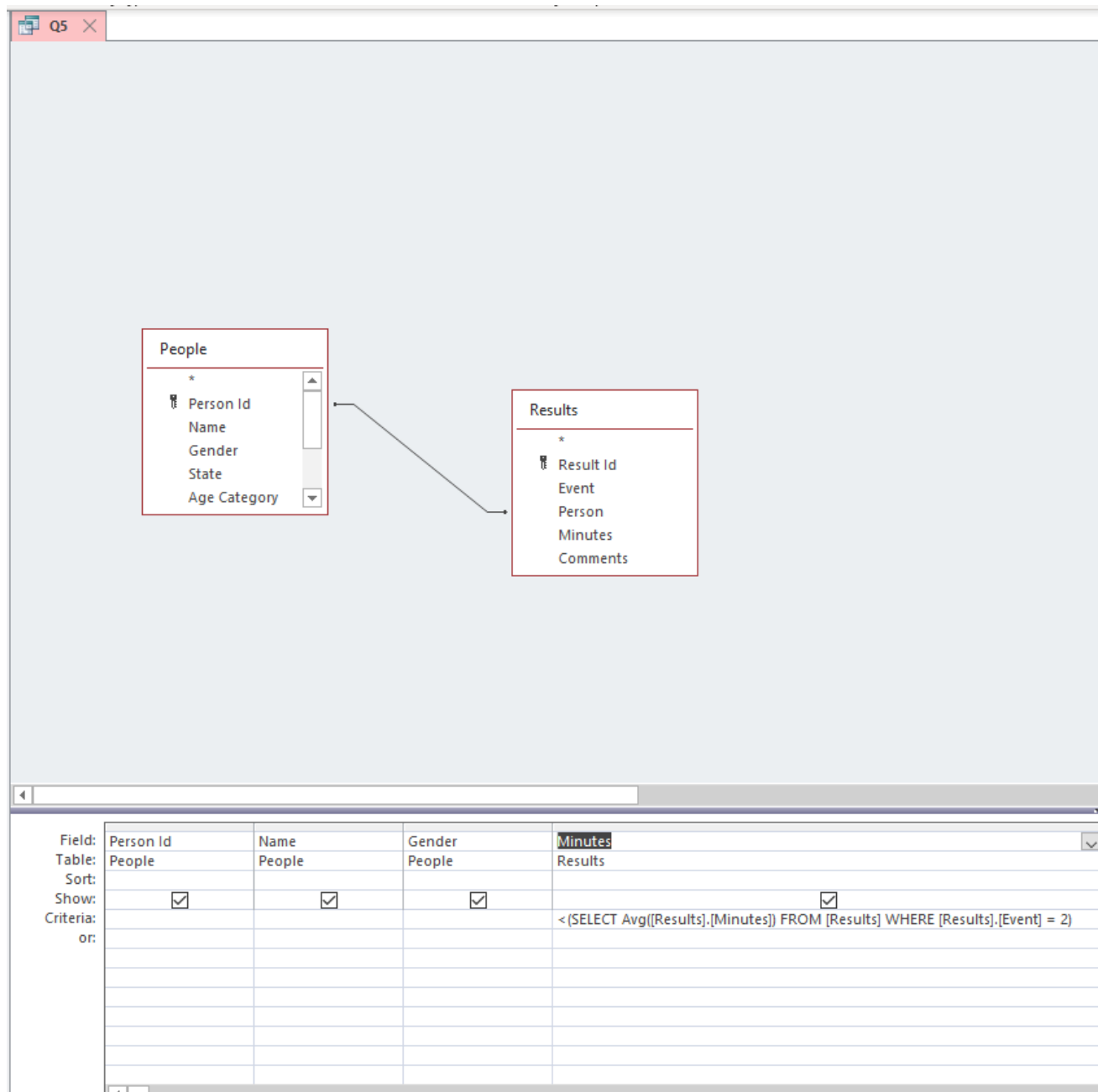


Result Set:

Q4 X		
Event Id	Event Descripti	MinOfMinutes
1	Road Bike Rampa	14
2	Tour de Melbourn	29
3	Velo Venture	71
4	Push It Pursuit	111
5	Explorer Challen	12
6	Uphill Haul	24
7	Trees and Rocks	37
8	Serious Stuff	48
9	Jolly Jogger	10
10	Road Run	17
11	Reality Race	27
12	Tarmac Torture	41
13	Cross Country Cru	8
14	Cross Country Bur	16
15	Cross Country On	24
16	Cross Country OM	33
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

Q5. Better than Average

Design:

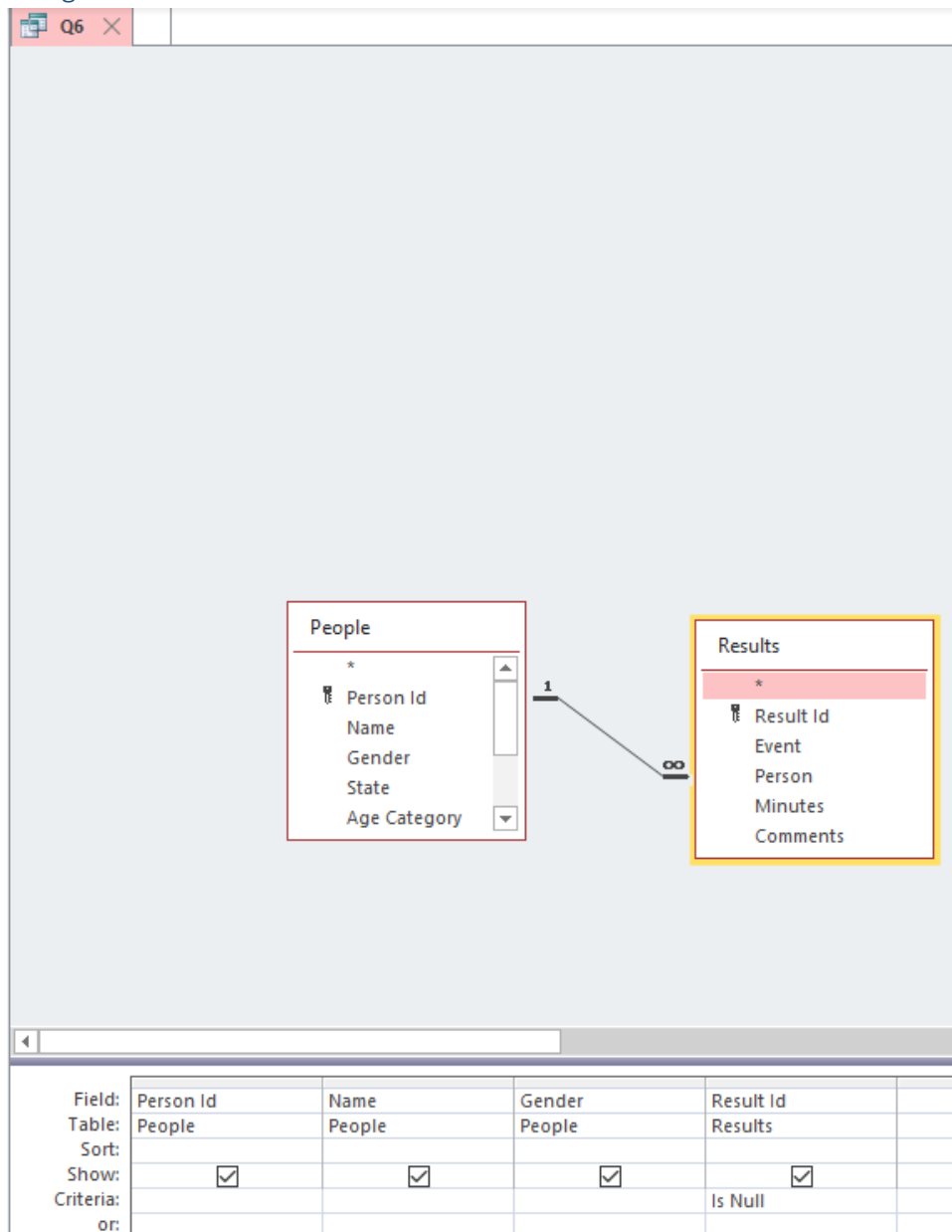


Result Set:

Person Id	Name	Gender	Minutes
1002	Alessia Galifi	F	31
1003	Katy Cleece	F	38
1003	Katy Cleece	F	52
1005	Rhona Cowbur	F	23
1006	Beth Meehan	F	13
1008	Jared Coyle	M	27
1010	Sarah Rankin	F	28
1011	Erika O'Reilly	F	35
1012	Melissa Rapoz	F	46
1012	Melissa Rapoz	F	26
1013	Sophie Poredc	F	31

Q6. Persons with No Results

Design:

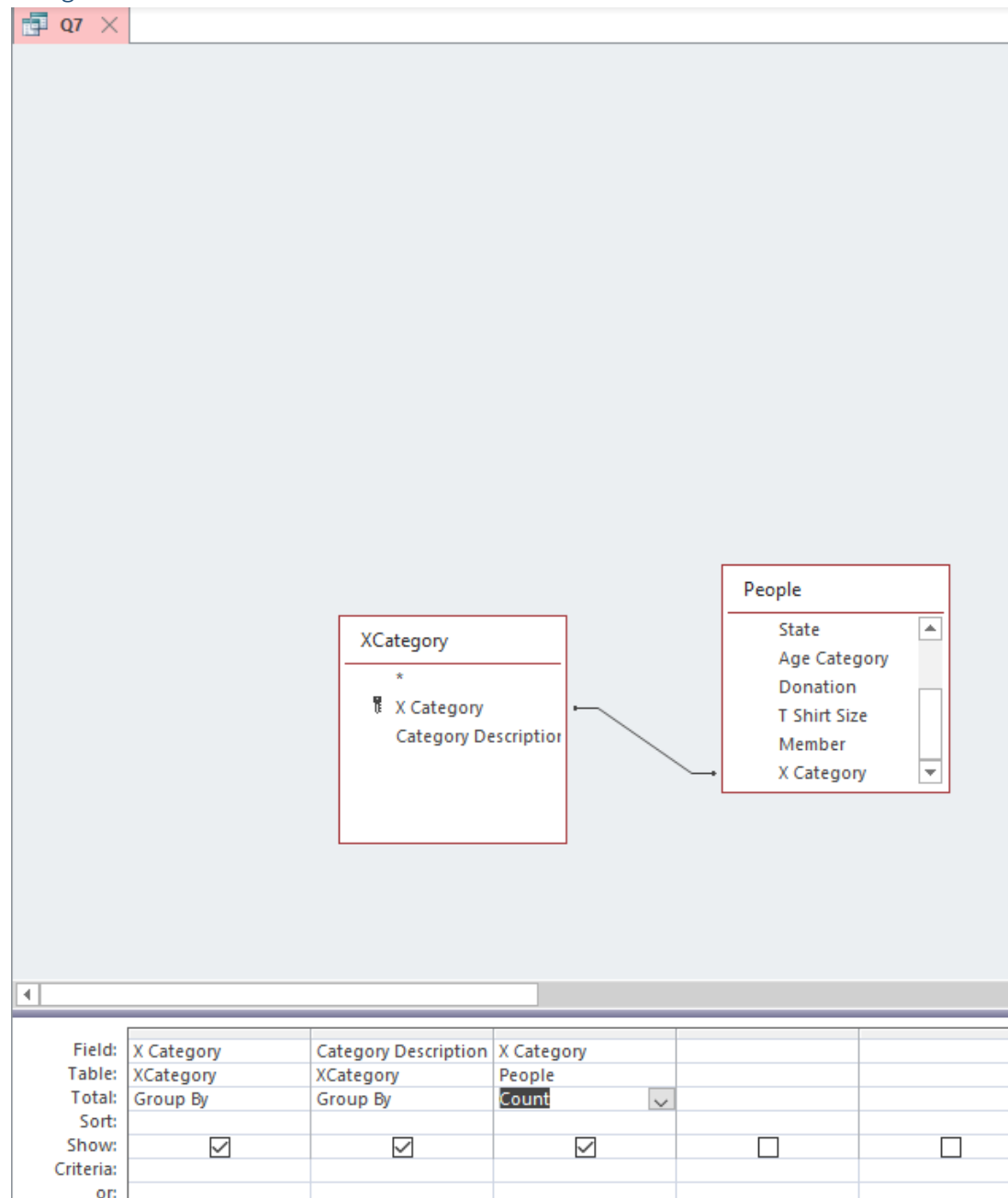


Result Set:

Person Id	Name	Gender	Result Id
2855	Greg Sargent	M	
2856	Michele Gange	F	
2857	Christine Lysik	F	
2858	Cassandra Grei	F	
2859	Cindy Liu	F	
2860	Sarita Malhotra	F	
2861	Mark Kelly	M	
2862	Jason Salmon	M	
2863	Steph McGarry	F	
2864	Robert Howart	M	

Q7. XCategory

Design:



Result Set:

X Category	Category Description	CountOfX C
A	This person makes less than 30000 \$ a year	484
B	This person makes between 30000 \$ and 50000 \$ a year	476
C	This person makes between 50000 \$ and 70000 \$ a year	499
D	This person makes more than 70000 \$ a year	437

Q7. Insert Your data and Event 25

Result Set:

Person Id	Name	Gender	State	Donation	Minutes
103181157	Nguyen Nam T	M	VIC	\$4,444.00	54
2009	Makalya Murpl	F	WA	\$41.00	43
1998	Sandie McQue	F	WA	\$242.00	11
1229	Nigel Cochran	M	TAS	\$296.00	34
1962	Adnane Khairy	M	VIC	\$53.00	66
1975	Kathy Taylor	F	ACT	\$450.00	66
1241	Alexandra Her	F	WA	\$29.00	55
*					




Part 4 Visualizations













































































































Q1. Member Category Viz

Settings:

Visualizations

Build visual





Fields

Search

> AgeCategory

> Events

> EventTypes

> People

☐ Age Category

☐ Donation

☒ Gender

☒ Member

☐ Name

☒ Person Id

☐ State

☐ T Shirt Size

☐ X Category

> Results

> XCategory

Rows

Member

Columns

Gender

Values

Count of Person Id

Drill through

Cross-report

Keep all filters

Add drill-through fields here

Visualization:

103181157 Total number of people by member and by gender




Member	F	I	M	Total
N	532	4	413	949
Y	532	7	409	948
Total	1064	11	822	1897
















Q2. Age Category Viz

Settings:



Visualizations >>

Build visual









X-axis

Age Description  

Y-axis

Average of Minutes  

Legend

Age Description  


Small multiples

Add data fields here


Tooltips


Add data fields here


Fields >>


 AgeCategory

☐ Age Category

☒ Age Descripti... 

 Events

 EventTypes

 People

☐ Age Category

☐ Σ Donation

☐ Gender

☐ Member


☐ Name

☐ Person Id

☐ State

☐ T Shirt Size

☐ X Category

 Results


☐ Comments

☐ Event

☒ Σ Minutes

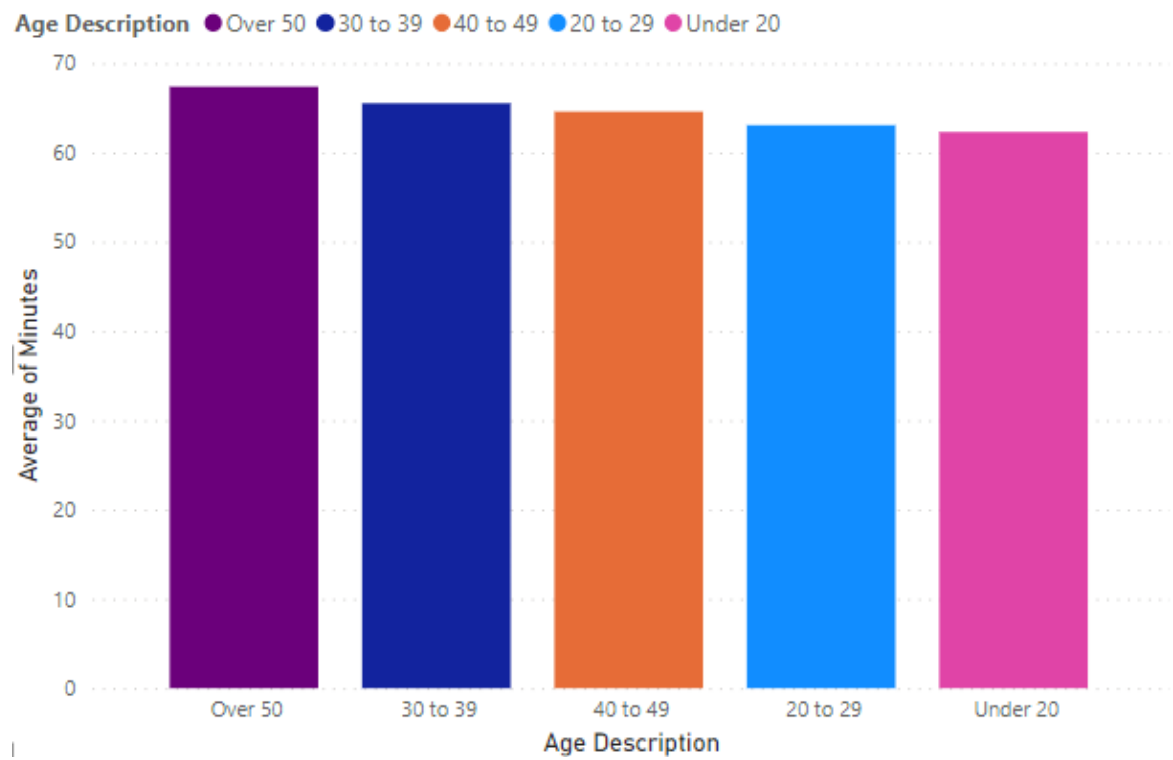
☐ Person

☐ Σ Result Id

 XCategory

Visualization:

103181157 Average Time of Finishing the Race by Age group



Q3. X Category Viz

Settings:

The screenshot shows the Power BI Fields pane with the following settings:

- Columns:** Category Description, Count of Person Id
- Drill through:** Cross-report (Off), Keep all filters (On)
- Fields:**
 - Age Category (unchecked)
 - Age Description (unchecked)
 - Events (unchecked)
 - EventTypes (unchecked)
 - People (checked)
 - Age Category (unchecked)
 - Donation (unchecked)
 - Gender (unchecked)
 - Member (unchecked)
 - Name (unchecked)
 - Person Id (checked)
 - State (unchecked)
 - T Shirt Size (unchecked)
 - X Category (unchecked)
 - Results (unchecked)
 - Comments (unchecked)
 - Event (unchecked)
 - Minutes (unchecked)
 - Person (unchecked)
 - Result Id (unchecked)
 - XCategory (checked)
 - Category Descr... (checked)
 - X Category (unchecked)

Visualization:

The visualization is a table titled "103181157 Number of people based on their income per year". It displays the count of people for different income categories. The table has two columns: "Category Description" and "Count of Person Id".


Category Description	Count of Person Id
This person makes between 30000 \$ and 50000 \$ a year	476
This person makes between 50000 \$ and 70000 \$ a year	499
This person makes less than 30000 \$ a year	485
This person makes more than 70000 \$ a year	437
Total	1897

Q4. Event Viz


Settings:

Visualizations

Build visual



Line and stacked column chart



Columns

Event Id

Event Description

Average of Minutes

Drill through

Cross-report

Keep all filters

Add drill-through fields here

Fields

Search

Events

Event Description

Event Distance

Event Id

Event Type

EventTypes

People

Age Category

Donation

Gender

Member

Name

Person Id

State

T Shirt Size

X Category

Results

Comments

Event

Minutes

Person

Result Id

XCategory

Visualization:

103181157 Average Time to complete each event




Event Id	Event Description	Average of Minutes
1	Road Bike Rampage	27.34
2	Tour de Melbourne	55.00
3	Velo Venture	133.87
4	Push It Pursuit	206.47
5	Explorer Challenge	24.95
6	Uphill Haul	52.00
7	Trees and Rocks	75.20
8	Serious Stuff	95.34
9	Jolly Jogger	22.86
10	Road Run	37.01
11	Reality Race	60.64
12	Tarmac Torture	91.21
13	Cross Country Crusade	20.05
14	Cross Country Burner	34.82
15	Cross Country Onslaught	54.63
16	Cross Country OMG	79.13
17	Summer Saunter	20.09
18	2 foot feat	42.58
19	Find it Fast	60.16
20	All Out Attack	79.33
21	Bush Beginner	25.39
22	Bush Bash	52.88
23	Bush Buster	76.86
24	Bush Serious	104.08
25	Student Special Walking Race	47.00
Total		64.52


























































Q5. Event 25 Viz

Settings:

Visualizations >>

Build visual





Columns

Event Id

Name

Minutes

Drill through

Cross-report Off

Keep all filters On

Add drill-through fields here

Fields >>

Search

☐ Event Distance

☒ Event Id

☐ Event Type

> EventTypes

< People

☐ Age Category

☐ Donation

☐ Gender

☐ Member

☒ Name

☐ Person Id

☐ State

☐ T Shirt Size

☐ X Category

< Results

☐ Comments

☐ Event

☒ Minutes

☐ Person

☐ Result Id

< XCategory

☐ Category Descr...

☐ X Category

Visualization:




103181157 Results of contestant in Event 25		
Event Id	Name	Minutes
25	Adnane Khairy	66
25	Alexandra Hertz	55
25	Kathy Taylor	66
25	Makalya Murphy	43
25	Nguyen Nam Tung	54
25	Nigel Cochrane	34
25	Sandie McQueen	11
Total		329









Q6. Extra Viz 1









Settings:









Visualizations >>









Build visual













































































































































































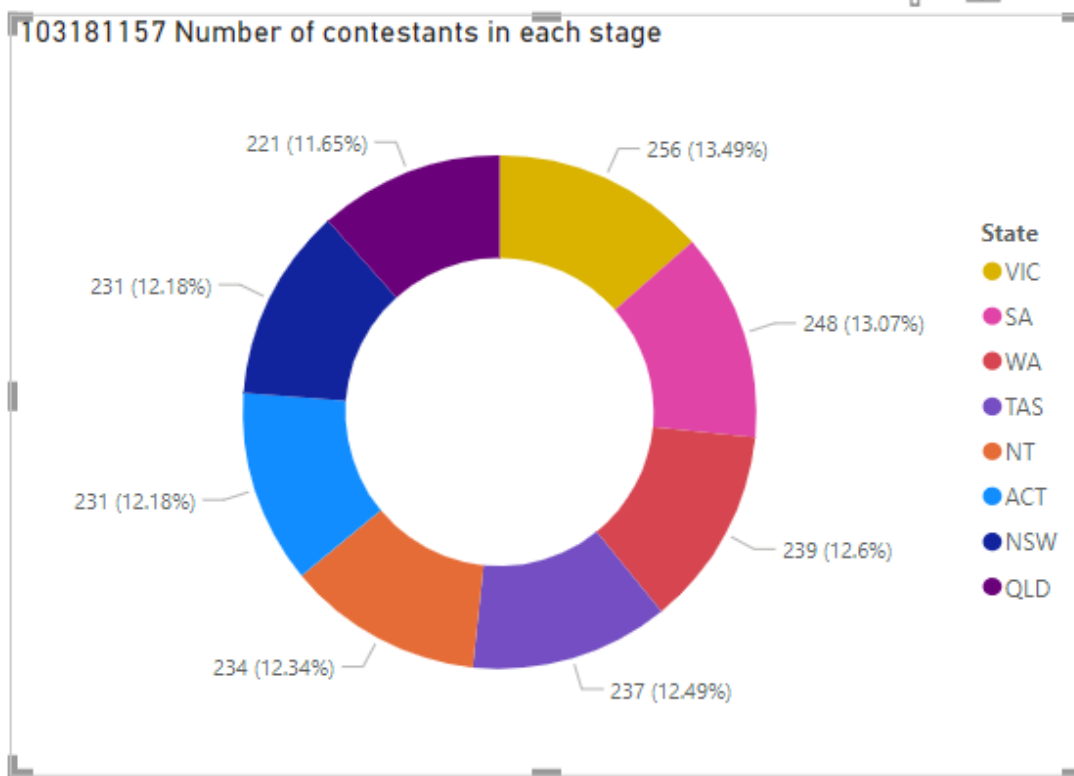








Visualization:












































Q7. Extra Viz 2

Settings:

Visualizations

Build visual





Legend

Gender ▼ ✕

Values

Donation ▼ ✕

Details

Add data fields here

Tooltips

Add data fields here

Drill through

Cross-report

Off

Fields

AgeCategory

☐ Age Category

☐ Age Description

Events

☐ Event Descripti...

☐ Σ Event Distance

☐ Event Id

☐ Event Type

EventTypes

People

☐ Age Category

☒ Σ Donation

☒ Gender ...

☐ Member

☐ Name

☐ Person Id

☐ State

☐ T Shirt Size

☐ X Category

Results

☐ Comments

☐ Event

☐ Σ Minutes

Visualization:

