

Model: Uni_simulation_with_Newbuilding

Name	Value
General	
Model time units	minutes
System Dynamics solver	
Differentiation Equations Method	RK4
Algebraic Equations Method	Fast Newton
Mixed Equations Method	RK45+Newton
Absolute accuracy	1.0E-5
Time accuracy	1.0E-5
Relative accuracy	1.0E-5
Fixed time step	0.001
Advanced	
Java package name	sup
File Name	C:\Users\J.Roshan\Desktop\Uni_simulation\Uni_simulation_with_Newbuilding.alp

Agent Type: Main

Name	Value
Agent in flowcharts	
Use in flowcharts as	Agent
Dimensions and movement	
Speed	(10 : MPS)
Rotate animation towards movement	true
Rotate vertically as well (along Z-axis)	false
Space and network	
Space Type	GIS
Enable steps	false
Advanced Java	
Generic	false
Advanced	
Logging	true
Auto-create datasets	true
AOC_DATASETS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties
Limit the number of data samples	false



Scale: scale

Name	Value
General	
Unit	meters
Scale	40.0
Type	Defined graphically
Length, pixels	100.0
Show at runtime	false
Lock	false
Public	false
Position and size	
x	-560.0
y	-280.0
Rotation	0.0

Parameter: Tendancy_to_Newbuilding_study

Name	Value
General	

Name	Value
Array	false
Type	double
Show at runtime	true
Show name	true
Value editor	
Editor control	Text
Advanced	
System dynamics units	false
Save in snapshot	true

Parameter: Capacity_of_the_NewStudyZone

Name	Value
General	
Array	false
Type	int
Show at runtime	true
Show name	true
Value editor	
Editor control	Text
Advanced	
System dynamics units	false
Save in snapshot	true

Parameter: ratemodifier

Description: We have used the total number of students that have enroled in courses to calculate rates. But in reality only a fraction of them would attend lectures. We have chosen 0.7 as a resasonable fraction for that.

Name	Value
General	
Array	false
Type	double
Show at runtime	true
Show name	true
Value editor	
Editor control	Text
Advanced	
System dynamics units	false
Save in snapshot	true
Description	
Description	We have used the total number of students that have enroled in courses to calculate rates. But in reality only a fraction of them would attend lectures. We have chosen 0.7 as a resasonable fraction for that.

Parameter: Capacity_of_New_Canteen

Name	Value
General	
Array	false

Name	Value
Type	int
Show at runtime	true
Show name	true
Value editor	
Editor control	Text
Advanced	
System dynamics units	false
Save in snapshot	true

Parameter: Tendancy_to_Newbuilding_eat

Name	Value
General	
Array	false
Type	double
Show at runtime	true
Show name	true
Value editor	
Editor control	Text
Advanced	
System dynamics units	false
Save in snapshot	true

Schedule: mon_entrance_1

Name	Value
General	
Show at runtime	true
Show name	true
Data	
Value type	real
Unit	per minute
The schedule defines	Intervals (Start, End)
Representation type	Days/Weeks
Repeat time	1
Repeat time interval	days
Is snapped to date	false
Default value	0.0
Load From Database	false
Preview	
SCHEDULE_PREVIEW_START_DATE	1695827480795
Advanced	
System dynamics units	false

Schedule intervals:

Start	End	Value
8:00 AM	8:10 AM	1.0
8:10 AM	9:00 AM	0.5

Schedule intervals:

Start	End	Value
9:00 AM	10:00 AM	1.0
10:00 AM	11:00 AM	0.5
11:00 AM	12:00 PM	0.5
12:00 PM	1:00 PM	0.0
1:00 PM	2:00 PM	1.0
2:00 PM	3:00 PM	0.0
3:00 PM	4:00 PM	0.0

Schedule: mon_math

Name	Value
General	
Show at runtime	true
Show name	true
Data	
Value type	real
Unit	per minute
The schedule defines	Intervals (Start, End)
Representation type	Days/Weeks
Repeat time	1
Repeat time interval	days
Is snapped to date	false
Default value	0.0
Load From Database	false
Preview	
SCHEDULE_PREVIEW_START_DATE	1695827480801
Advanced	
System dynamics units	false

Schedule intervals:

Start	End	Value
6:00 AM	7:00 AM	0.0
7:00 AM	8:00 AM	0.0
8:00 AM	8:30 AM	0.0
8:30 AM	9:00 AM	0.0
9:00 AM	10:00 AM	0.0
10:00 AM	11:00 AM	0.0
11:00 AM	12:00 PM	0.0
12:00 PM	1:00 PM	0.0
1:00 PM	1:10 PM	12.2
1:10 PM	3:00 PM	0.0
3:00 PM	4:00 PM	0.0

Schedule: mon_physics

Name	Value
General	

Name	Value
Show at runtime	true
Show name	true
Data	
Value type	real
Unit	per minute
The schedule defines	Intervals (Start, End)
Representation type	Days/Weeks
Repeat time	1
Repeat time interval	days
Is snapped to date	false
Default value	0.0
Load From Database	false
Preview	
SCHEDULE_PREVIEW_START_DATE	1695827480805
Advanced	
System dynamics units	false

Schedule intervals:

Start	End	Value
6:00 AM	7:00 AM	0.0
7:00 AM	8:00 AM	1.4
8:00 AM	9:00 AM	0.0
9:00 AM	10:00 AM	0.0
10:00 AM	11:00 AM	0.0
11:00 AM	11:30 AM	4.6
11:30 AM	1:00 PM	0.0
1:00 PM	2:00 PM	0.0
2:00 PM	3:00 PM	0.0
3:00 PM	4:00 PM	0.0
4:00 PM	5:00 PM	6.9
5:00 PM	6:00 PM	9.5
6:00 PM	7:00 PM	9.2
7:00 PM	8:00 PM	7.3
8:00 PM	9:00 PM	4.9
9:00 PM	10:00 PM	3.7
10:00 PM	11:00 PM	2.2
11:00 PM	12:00 AM	1.8

Schedule: mon_chemistry

Name	Value
General	
Show at runtime	true
Show name	true
Data	
Value type	real
Unit	per minute
The schedule defines	Intervals (Start, End)

Name	Value
Representation type	Days/Weeks
Repeat time	1
Repeat time interval	days
Is snapped to date	false
Default value	0.0
Load From Database	false
Preview	
SCHEDULE_PREVIEW_START_DATE	1695827480813
Advanced	
System dynamics units	false

Schedule intervals:

Start	End	Value
6:00 AM	7:00 AM	1.1
7:00 AM	8:00 AM	1.4
8:00 AM	9:00 AM	0.0
9:00 AM	10:00 AM	0.0
10:00 AM	11:00 AM	0.0
11:00 AM	12:00 PM	0.0
12:00 PM	1:00 PM	0.0
1:00 PM	2:00 PM	0.0
2:00 PM	3:00 PM	0.0
3:00 PM	4:00 PM	0.0

Schedule: mon_zoology

Name	Value
General	
Show at runtime	true
Show name	true
Data	
Value type	real
Unit	per minute
The schedule defines	Intervals (Start, End)
Representation type	Days/Weeks
Repeat time	1
Repeat time interval	days
Is snapped to date	false
Default value	0.0
Load From Database	false
Preview	
SCHEDULE_PREVIEW_START_DATE	1695827480823
Advanced	
System dynamics units	false

Schedule intervals:

Start	End	Value
7:00 AM	8:00 AM	0.0

Schedule intervals:

Start	End	Value
8:00 AM	9:00 AM	0.0
9:00 AM	10:00 AM	0.0
10:00 AM	10:30 AM	9.13
10:30 AM	12:00 PM	0.0
12:00 PM	12:20 PM	10.4
12:20 PM	1:00 PM	0.0
1:00 PM	1:30 PM	16.0
1:30 PM	4:00 PM	0.0

Schedule: mon_stat

Name	Value
General	
Show at runtime	true
Show name	true
Data	
Value type	real
Unit	per minute
The schedule defines	Intervals (Start, End)
Representation type	Days/Weeks
Repeat time	1
Repeat time interval	days
Is snapped to date	false
Default value	0.0
Load From Database	false
Preview	
SCHEDULE_PREVIEW_START_DATE	1695827480827
Advanced	
System dynamics units	false

Schedule intervals:

Start	End	Value
7:00 AM	8:00 AM	1.4
8:00 AM	9:00 AM	0.0
9:00 AM	10:00 AM	0.0
10:00 AM	10:20 AM	5.3
10:20 AM	12:00 PM	0.0
12:00 PM	12:30 PM	12.3
1:00 PM	2:00 PM	0.0
2:00 PM	2:20 PM	13.0
2:20 PM	3:00 PM	0.0
3:00 PM	3:10 PM	6.1
3:10 PM	4:10 PM	0.0

Event: e_nb

Name	Value
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Name	Value
General	
Logging	true
EVENT_TIMEOUT_PROPERTIES	- Recurring Event Properties
Mode	Cyclic
Trigger type	Timeout
Show at runtime	false
Show name	true
Action	
Action	v_nb_occupancy=pw_newbuilding_study.in.count()- pw_newbuilding_study.out.count(); v_nb_queue=pg_newbuilding_study.in.count()- pg_newbuilding_study.out.count();

Event: e_library

Name	Value
General	
Logging	true
EVENT_TIMEOUT_PROPERTIES	- Recurring Event Properties
Mode	Cyclic
Trigger type	Timeout
Show at runtime	false
Show name	true
Action	
Action	v_library_occupancy=pw_library.in.count()-pw_library.out.count(); v_library_queue=pg_library.in.count()-pg_library.out.count();

Event: e_deanfront

Name	Value
General	
Logging	true
EVENT_TIMEOUT_PROPERTIES	- Recurring Event Properties
Mode	Cyclic
Trigger type	Timeout
Show at runtime	false
Show name	true
Action	
Action	v_deanfront_occupancy=pw_deanfront.in.count()- pw_deanfront.out.count(); v_deanfront_queue=pg_deanfront.in.count()- pg_deanfront.out.count();

Event: e_ilcg

Name	Value
General	
Logging	true
EVENT_TIMEOUT_PROPERTIES	- Recurring Event Properties
Mode	Cyclic
Trigger type	Timeout
Show at runtime	false

Name	Value
Show name	true
Action	
Action	v_ilcg_occupancy=pw_ilcg.in.count()-pw_ilcg.out.count(); v_ilcg_queue=pg_iclg.in.count()-pg_iclg.out.count();

Event: e_ucsc

Name	Value
General	
Logging	true
EVENT_TIMEOUT_PROPERTIES	- Recurring Event Properties
Mode	Cyclic
Trigger type	Timeout
Show at runtime	false
Show name	true
Action	
Action	v_ucsc_occupancy=pw_ucsc_canteen.in.count()- pw_ucsc_canteen.out.count(); v_ucsc_queue=pg_ucsc_canteen.in.count()- pg_ucsc_canteen.out.count();

Event: e_scicanteen

Name	Value
General	
Logging	true
EVENT_TIMEOUT_PROPERTIES	- Recurring Event Properties
Mode	Cyclic
Trigger type	Timeout
Show at runtime	false
Show name	true
Action	
Action	v_scicanteen_occupancy=pw_science_canteen.in.count()- pw_science_canteen.out.count(); v_scicanteen_queue=pg_science_canteen.in.count()- pg_science_canteen.out.count();

Event: e_deanfronteat

Name	Value
General	
Logging	true
EVENT_TIMEOUT_PROPERTIES	- Recurring Event Properties
Mode	Cyclic
Trigger type	Timeout
Show at runtime	false
Show name	true
Action	
Action	v_deanfronteat_occupancy=pw_deanfront.in.count()- pw_deanfront.out.count(); v_deanfronteat_queue=pg_deanfront.in.count()- pg_deanfront.out.count();

Event: e_nb_eat

Name	Value
General	
Logging	true
EVENT_TIMEOUT_PROPERTIES	- Recurring Event Properties
Mode	Cyclic
Trigger type	Timeout
Show at runtime	false
Show name	true
Action	
Action	<pre>v_nb_eat_occupancy=pw_newbuilding_eat.in.count()- pw_newbuilding_eat.out.count(); v_nb_eat_queue=pg_newbuilding_eat.in.count()- pg_newbuilding_eat.out.count();</pre>

Event: noon

Description: This event is used to free all the students from library,deanfront and ILC to mimic the student behaviour to go for lunch at 12 noon.

Name	Value
General	
Logging	true
EVENT_TIMEOUT_PROPERTIES	- Recurring Event Properties
Mode	Occurs once
Trigger type	Timeout
Show at runtime	true
Show name	true
Action	
Action	<pre>pw_library.freeAll(); pw_deanfront.freeAll(); pw_newbuilding_study.freeAll();</pre>
Description	
Description	This event is used to free all the students from library,deanfront and ILC to mimic the student behaviour to go for lunch at 12 noon.

Event: hourlydrop

Name	Value
General	
Logging	true
EVENT_TIMEOUT_PROPERTIES	- Recurring Event Properties
Mode	Cyclic
Trigger type	Timeout
Show at runtime	true
Show name	true
Action	
Action	<pre>if (getHour()!=0 && getHour()!=1) for (int i = 0; i < round((pw_library.size())/5); i++) { pw_library.free(randomFrom(pw_library.getPeds()));; } for (int i = 0; i < round((pw_ilcg.size())/2); i++) { pw_ilcg.free(randomFrom(pw_ilcg.getPeds()));; } for (int i = 0; i < round((pw_deanfront.size())/2); i++) {</pre>

Name	Value
	<pre> pw_deanfront.free(randomFrom(pw_deanfront.getPeds())); } for (int i = 0; i < round((pw_newbuilding_study.size())/3); i++) { pw_deanfront.free(randomFrom(pw_newbuilding_study.getPeds())) ;; </pre>

Event: freedeanfronforstudy

Description: This is used to free the open space infront of deanoffice for studying purpose again as it is used for both dine & study

Name	Value
General	
Logging	true
EVENT_TIMEOUT_PROPERTIES	- Recurring Event Properties
Mode	Occurs once
Trigger type	Timeout
Show at runtime	true
Show name	true
Action	
Action	pw_deanfront.freeAll()
Description	
Description	This is used to free the open space infront of deanoffice for studying purpose again as it is used for both dine & study

Variable: v_nb_queue

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_nb_occupancy

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_library_queue

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_library_occupancy

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_deanfront_queue

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_ilcg_queue

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_ucsc_queue

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_scicanteen_queue

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_deanfronteat_queue

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_deanfront_occupancy

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true

Name	Value
System dynamics units	false

Variable: v_ilcg_occupancy

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_ucsc_occupancy

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_scicanteen_occupancy

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_deanfronteat_occupancy

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	

Name	Value
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_nb_eat_queue

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Variable: v_nb_eat_occupancy

Name	Value
General	
Type	double
Show at runtime	false
Show name	true
Advanced	
Access type	public
Constant	false
Save in snapshot	true
System dynamics units	false

Collection: entrances

Name	Value
General	
Initial contents	{ an_entrance, an_entrance_2 }
Initial contents	{ an_entrance, an_entrance_2 }
Element class	AreaNode
Collection class	ArrayList
Show at runtime	true
Show name	true
Advanced	
Access type	public
Save in snapshot	true

Student: student

Name	Value
General	

Name	Value
Replication	4000
Initialization Type	Contains a given number of agents
Population of agents	true
Replication	4000
Initialization Type	Contains a given number of agents
Population of agents	true
Show name	true
Dimensions and movement	
Speed	(normal(0.07,1.34) : FPS)
Initial location	
Place agent(s)	at the agent animation location
Statistics	
Statistics	[]
Advanced	
Show at runtime	true
Public	false
Embedded object collection type	Access by index (ArrayList)
Logging	true

Agent Parameters:

Name	Value
independent_study	randomTrue(0.5)
is_hungry	randomTrue(0.01)
female	randomTrue(0.6)

PedSource: ps_entrance

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Appears at	self.LOCATION_NODE
Node	randomFrom(entrances);
Arrive according to	self.RATE_SCHEDULE
Rate schedule	mon_entrance_1
Modify rate	true
Rate expression	baseRate*ratemodifier

Agent Parameters:

Name	Value
Limited number of arrivals	false
New pedestrian	new sup.Student()
Comfortable speed	uniform(0.5, 1)
Initial speed	uniform(0.3, 0.7)
Diameter	uniform(0.4, 0.5)
Create groups	true
Group size	uniform_discr(1, 2)
Interarrival time of group members	exponential(3)
Group formation	self.GROUP_FORMATION_SWARM
Group behavior in services	self.SGB_INDIVIDUAL_SERVING
Cancelling a pedestrian cancels the group	true
Add pedestrian to:	false
On exit	ped.dept=""

PedSelectOutput: study_casual

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Use:	self.TYPE_PROBABILITIES
Probability 1	0.5-(Tendency_to_Newbuilding_study/2)
Probability 2	0.5-(Tendency_to_Newbuilding_study/2)
Probability 3	Tendency_to_Newbuilding_study
Probability 4	0
Probability 5	0

PedGoTo: pg_iclg

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]

Name	Value
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Mode	self.MODE_REACH_TARGET
Target	self.LOCATION_NODE
Node	an_ilcg_pg
Reach tolerance	0.01

PedGoTo: pg_deanfront

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Mode	self.MODE_REACH_TARGET
Target	self.LOCATION_NODE
Node	an_deanfront_pg
Reach tolerance	0.25

PedGoTo: pg_library

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location

Name	Value
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Mode	self.MODE_REACH_TARGET
Target	self.LOCATION_NODE
Node	an_library_pg
Reach tolerance	0.25

PedSink: Sink

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

PedSelectOutput: Food

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Use:	self.TYPE_PROBABILITIES
Probability 1	0.3-(Tendency_to_Newbuilding_eat/3)
Probability 2	0.5-(Tendency_to_Newbuilding_eat/3)

Agent Parameters:

Name	Value
Probability 3	0.2-(Tendancy_to_Newbuilding_eat/3)
Probability 4	(Tendancy_to_Newbuilding_eat)/2
Probability 5	Tendancy_to_Newbuilding_eat/2

PedGoTo: pg_ucsc_canteen

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Mode	self.MODE_REACH_TARGET
Target	self.LOCATION_NODE
Node	an_ucsc_Canteen_pg
Reach tolerance	0.25

PedGoTo: pg_science_canteen

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Mode	self.MODE_REACH_TARGET
Target	self.LOCATION_NODE
Node	an_scicanteen_pg

Agent Parameters:

Name	Value
Reach tolerance	0.25

PedSource: ps_math

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Appears at	self.LOCATION_LINE
Target line	tl_math
Arrive according to	self.RATE_SCHEDULE
Rate schedule	mon_math
Modify rate	true
Rate expression	baseRate*ratemodifier
Limited number of arrivals	false
New pedestrian	new sup.Student()
Comfortable speed	uniform(0.5, 1)
Initial speed	uniform(0.3, 0.7)
Diameter	uniform(0.4, 0.5)
Create groups	true
Group size	uniform_discr(2, 5)
Interarrival time of group members	exponential(3)
Group formation	self.GROUP_FORMATION_SWARM
Group behavior in services	self.SGB_INDIVIDUAL_SERVING
Cancelling a pedestrian cancels the group	true
Add pedestrian to:	false

PedSource: ps_physics

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]

Name	Value
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Appears at	self.LOCATION_LINE
Target line	tl_physics
Arrive according to	self.RATE_SCHEDULE
Rate schedule	mon_physics
Modify rate	true
Rate expression	baseRate*ratemodifier
Limited number of arrivals	false
New pedestrian	new sup.Student()
Comfortable speed	uniform(0.5, 1)
Initial speed	uniform(0.3, 0.7)
Diameter	uniform(0.4, 0.5)
Create groups	true
Group size	uniform_discr(2, 5)
Interarrival time of group members	exponential(3)
Group formation	self.GROUP_FORMATION_SWARM
Group behavior in services	self.SGB_INDIVIDUAL_SERVING
Cancelling a pedestrian cancels the group	true
Add pedestrian to:	false
On exit	ped.dept="physics"

PedSource: ps_plt

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Appears at	self.LOCATION_LINE

Agent Parameters:

Name	Value
Target line	tl_plt
Arrive according to	self.RATE_SCHEDULE
Rate schedule	mon_stat
Modify rate	true
Rate expression	baseRate*ratemodifier
Limited number of arrivals	false
New pedestrian	new sup.Student()
Comfortable speed	uniform(0.4, 0.75)
Initial speed	uniform(0.2, 0.5)
Diameter	uniform(0.3, 0.4)
Create groups	true
Group size	uniform_discr(2, 5)
Interarrival time of group members	exponential(3)
Group formation	self.GROUP_FORMATION_SWARM
Group behavior in services	self.SGB_INDIVIDUAL_SERVING
Cancelling a pedestrian cancels the group	true
Add pedestrian to:	false
On exit	ped.dept="stat";

PedSource: ps_stat

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Appears at	self.LOCATION_LINE
Target line	tl_stat
Arrive according to	self.RATE_SCHEDULE
Rate schedule	mon_chemistry
Modify rate	true
Rate expression	baseRate*ratemodifier
Limited number of arrivals	false
New pedestrian	new sup.Student()
Comfortable speed	uniform(0.5, 1)
Initial speed	uniform(0.3, 0.7)

Agent Parameters:

Name	Value
Diameter	uniform(0.4, 0.5)
Create groups	true
Group size	uniform_discr(2, 5)
Interarrival time of group members	exponential(3)
Group formation	self.GROUP_FORMATION_SWARM
Group behavior in services	self.SGB_INDIVIDUAL_SERVING
Cancelling a pedestrian cancels the group	true
Add pedestrian to:	false
On exit	ped.dept="stat"; ped.next_lecture=randomTrue(0.5);

PedSource: ps_zoology

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Appears at	self.LOCATION_LINE
Target line	tl_zoology
Arrive according to	self.RATE_SCHEDULE
Rate schedule	mon_zoology
Modify rate	true
Rate expression	baseRate*ratemodifier
Limited number of arrivals	false
New pedestrian	new sup.Student()
Comfortable speed	uniform(0.5, 1)
Initial speed	uniform(0.3, 0.7)
Diameter	uniform(0.4, 0.5)
Create groups	true
Group size	uniform_discr(2, 5)
Interarrival time of group members	exponential(3)
Group formation	self.GROUP_FORMATION_SWARM
Group behavior in services	self.SGB_INDIVIDUAL_SERVING
Cancelling a pedestrian cancels the group	true
Add pedestrian to:	false

Agent Parameters:

Name	Value
On exit	ped.dept="zoology"

PedSource: ps_chemistry

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Appears at	self.LOCATION_LINE
Target line	tl_chemistry
Arrive according to	self.RATE_SCHEDULE
Rate schedule	mon_chemistry
Modify rate	true
Rate expression	baseRate*ratemodifier
Limited number of arrivals	false
New pedestrian	new sup.Student()
Comfortable speed	uniform(0.5, 1)
Initial speed	uniform(0.3, 0.7)
Diameter	uniform(0.4, 0.5)
Create groups	true
Group size	uniform_discr(2, 5)
Interarrival time of group members	exponential(3)
Group formation	self.GROUP_FORMATION_SWARM
Group behavior in services	self.SGB_INDIVIDUAL_SERVING
Cancelling a pedestrian cancels the group	true
Add pedestrian to:	false
On exit	ped.dept="chemistry"

SelectOutput: so_lunch_indicator

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false

Name	Value
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Select True output	false
Condition	getHour()==0 agent.is_hungry
On enter	agent.distance_from_home=normal(4,25);

PedGoTo: pg_newbuilding_study

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Mode	self.MODE_REACH_TARGET
Target	self.LOCATION_NODE
Node	an_newbuilding_queue
Reach tolerance	0.25

PedGoTo: pg_newbuilding_eat

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location

Name	Value
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Mode	self.MODE_REACH_TARGET
Target	self.LOCATION_NODE
Node	an_newbuilding_queue
Reach tolerance	0.25

PedWait: pw_newbuilding_study

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Waiting location	self.LOCATION_NODE
Node	an_newbuilding
Attractor choice	self.ATTRACTOR_CHOICE_NONE
Delay ends	self.DELAY_TIMEOUT
Delay time	normal(0.25,1)
Group members leave together	false
Delay starts when	self.DELAY_STARTS_SINCE_BEGIN_WAIT
Maximum capacity	false
Capacity	Capacity_of_the_NewStudyZone
Reach tolerance	0.25

PedWait: pw_library

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]

Name	Value
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Waiting location	self.LOCATION_NODE
Node	an_library_pw
Attractor choice	self.ATTRACTOR_CHOICE_NONE
Delay ends	self.DELAY_TIMEOUT
Delay time	normal(0.2,1.5)
Group members leave together	false
Delay starts when	self.DELAY_STARTS_SINCE_BEGIN_WAIT
Maximum capacity	false
Capacity	500
Reach tolerance	0.25

SelectOutput: selectOutput

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Select True output	false
Condition	getHour()!=0

PedWait: pw_ilcg

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false

Name	Value
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Waiting location	self.LOCATION_NODE
Node	an_ilcg_pw
Attractor choice	self.ATTRACTOR_CHOICE_NONE
Delay ends	self.DELAY_TIMEOUT
Delay time	normal(0.2,1)
Group members leave together	false
Delay starts when	self.DELAY_STARTS_SINCE_BEGIN_WAIT
Maximum capacity	false
Capacity	48
Reach tolerance	0.25

PedWait: pw_deanfront

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Waiting location	self.LOCATION_NODE
Node	an_deanfront
Attractor choice	self.ATTRACTOR_CHOICE_NONE
Delay ends	self.DELAY_TIMEOUT
Delay time	getHour()==0?normal(2.5,10):normal(10,60)
Group members leave together	false
Delay starts when	self.DELAY_STARTS_SINCE_BEGIN_WAIT
Maximum capacity	false
Capacity	80

Agent Parameters:

Name	Value
Reach tolerance	0.25

PedWait: pw_ucsc_canteen

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Waiting location	self.LOCATION_NODE
Node	an_ucsc_canteen
Attractor choice	self.ATTRACTOR_CHOICE_NONE
Delay ends	self.DELAY_TIMEOUT
Delay time	normal(2.5,11)
Group members leave together	true
Delay starts when	self.DELAY_STARTS_SINCE_BEGIN_WAIT
Maximum capacity	false
Capacity	150
Reach tolerance	0.25

PedWait: pw_science_canteen

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Agent Parameters:

Name	Value
Waiting location	self.LOCATION_NODE
Node	an_scicanteen
Attractor choice	self.ATTRACTOR_CHOICE_NONE
Delay ends	self.DELAY_TIMEOUT
Delay time	normal(0.25,5)
Group members leave together	true
Delay starts when	self.DELAY_STARTS_SINCE_BEGIN_WAIT
Maximum capacity	false
Capacity	60
Reach tolerance	0.25

PedWait: pw_newbuilding_eat

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Waiting location	self.LOCATION_NODE
Node	an_newbuilding
Attractor choice	self.ATTRACTOR_CHOICE_NONE
Delay ends	self.DELAY_TIMEOUT
Delay time	normal(2.5,11)
Group members leave together	true
Delay starts when	self.DELAY_STARTS_SINCE_BEGIN_WAIT
Maximum capacity	false
Capacity	Capacity_of_New_Canteen
Reach tolerance	0.25

SelectOutput: choice

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]

Name	Value
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Select True output	false
Condition	agent.distance_from_home>25 && getHour()<6 && !agent.next_lecture
On enter	agent.is_hungry=false

SelectOutput: libraryfull

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Select True output	false
Condition	pw_library.size() != 500

SelectOutput: ilcfull

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true

Name	Value
Public	false
Logging	true

Agent Parameters:

Name	Value
Select True output	false
Condition	pw_ilcg.size() != 48

SelectOutput: deanfrontfull

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Select True output	false
Condition	pw_deanfront.size() != 80

SelectOutput5: study_choice

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Use:	self.TYPE_CONDITIONS
Condition 1	agent.independent_study && !agent.next_lecture
Condition 2	!agent.independent_study

Agent Parameters:

Name	Value
Condition 3	false
Condition 4	false

SelectOutput: ucsc_canteenfull

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Select True output	false
Condition	pw_ucsc_canteen.size()!=150

SelectOutput: sciencecanteenfullnewbuidingfull

Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Select True output	false
Condition	pw_newbuilding_study.size()!=Capacity_of_the_New StudyZone

SelectOutput: newbuildingfull

Name	Value
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Name	Value
General	
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Population of agents	false
Generic Parameters Substitutes	[Generic Parameter Substitute:]
Show name	true
Initial location	
Place agent(s)	at the agent animation location
Advanced	
Show at runtime	true
Public	false
Logging	true

Agent Parameters:

Name	Value
Select True output	false
Condition	pw_newbuilding_eat.size() != Capacity_of_New_Canteen

Time Plot: newbuilding_statistics

Name	Value
General	
Lock	false
Public	true
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties
Dataset Samples To Keep	480
Scale	
Time window	480
Time	model time units
Vertical scale	Auto
Appearance	
Labels horizontal position	DEFAULT
Labels vertical position	DEFAULT
Label format	HH:mm
Background color	lavender
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Draw line	true
Fill area under line	false
Interpolation	Linear
Position and size	
x	412.0
Width	288.0
y	-880.0
Height	290.053
Legend	

Name	Value
Show legend	true
Legend size	70.053
Legend text color	black
Chart area	
Chart Area: X Offset	28.0
Chart Area: Width	240.0
Chart Area: Y Offset	20.0
Chart Area: Height	160.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Time window moves	Continuously
Show name	false
Logging	true

Plot Items:

Title	Type	Dataset / Value	Point Style	Color	Line	Width	Interpolation
New Building's study Occupied	value	v_nb_occupancy	NONE	lime	true	1.0	LINEAR
New Building's study demand	value	v_nb_queue	NONE	dodgerBlue	true	1.0	LINEAR
New building's study Maximum Capacity	value	Capacity_of_the_NewStudyZone	NONE	red	true	1.0	LINEAR

Time Plot: librarydata

Name	Value
General	
Lock	false
Public	true
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties
Dataset Samples To Keep	480
Scale	
Time window	480
Time	model time units
Vertical scale	Auto
Appearance	
Labels horizontal position	DEFAULT
Labels vertical position	DEFAULT
Label format	HH:mm
Background color	lavender
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Draw line	true
Fill area under line	false
Interpolation	Linear
Position and size	

Name	Value
x	0.0
Width	280.0
y	-880.952
Height	294.285
Legend	
Show legend	true
Legend size	53.33300000000003
Legend text color	black
Chart area	
Chart Area: X Offset	30.0
Chart Area: Width	230.0
Chart Area: Y Offset	20.0
Chart Area: Height	190.952
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Time window moves	Continuously
Show name	false
Logging	true

Plot Items:

Title	Type	Dataset / Value	Point Style	Color	Line	Width	Interpolation
Library occupied	value	v_library_occupancy	NONE	lime	true	1.0	LINEAR
Library Demand	value	v_library_queue	NONE	dodgerBlue	true	1.0	LINEAR
Maximum Capacity	value	500	NONE	red	true	1.0	LINEAR

Time Plot: plot

Name	Value
General	
Lock	false
Public	true
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties
Dataset Samples To Keep	480
Scale	
Time window	480
Time	model time units
Vertical scale	Auto
Appearance	
Labels horizontal position	DEFAULT
Labels vertical position	DEFAULT
Label format	HH:mm
Background color	lavender
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Draw line	true

Name	Value
Fill area under line	false
Interpolation	Linear
Position and size	
x	860.0
Width	314.667
y	-877.333
Height	277.333
Legend	
Show legend	true
Legend size	60.000000000000006
Legend text color	black
Chart area	
Chart Area: X Offset	40.0
Chart Area: Width	244.66699999999992
Chart Area: Y Offset	20.0
Chart Area: Height	157.33299999999997
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Time window moves	Continuously
Show name	true
Logging	true

Plot Items:

Title	Type	Dataset / Value	Point Style	Color	Line	Width	Interpolation
Deanfront occupancy	value	v_deanfront_occupancy	NONE	lime	true	1.0	LINEAR
Deanfront Demand	value	v_deanfront_queue	NONE	dodgerBlue	true	1.0	LINEAR
Deanfront Max Capacity	value	80	NONE	red	true	1.0	LINEAR

Time Plot: plot1

Name	Value
General	
Lock	false
Public	true
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties
Dataset Samples To Keep	480
Scale	
Time window	480
Time	model time units
Vertical scale	Auto
Appearance	
Labels horizontal position	DEFAULT
Labels vertical position	DEFAULT
Label format	HH:mm

Name	Value
Background color	lavender
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Draw line	true
Fill area under line	false
Interpolation	Linear
Position and size	
x	9.333
Width	280.0
y	-552.0
Height	340.0
Legend	
Show legend	true
Legend size	80.0
Legend text color	black
Chart area	
Chart Area: X Offset	40.0
Chart Area: Width	220.0
Chart Area: Y Offset	20.0
Chart Area: Height	210.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Time window moves	Continuously
Show name	false
Logging	true

Plot Items:

Title	Type	Dataset / Value	Point Style	Color	Line	Width	Interpolation
ILC occupied	value	v_ilcg_occupancy	NONE	lime	true	1.0	LINEAR
ILC Demand	value	v_ilcg_queue	NONE	dodgerBlue	true	1.0	LINEAR
ILC Maximun capacity 48	value	48	NONE	red	true	1.0	LINEAR

Time Plot: plot2

Name	Value
General	
Lock	false
Public	true
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties
Dataset Samples To Keep	480
Scale	
Time window	480
Time	model time units
Vertical scale	Auto
Appearance	

Name	Value
Labels horizontal position	DEFAULT
Labels vertical position	DEFAULT
Label format	HH:mm
Background color	lavender
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Draw line	true
Fill area under line	false
Interpolation	Linear
Position and size	
x	308.0
Width	280.0
y	-592.0
Height	320.0
Legend	
Show legend	true
Legend size	60.0
Legend text color	black
Chart area	
Chart Area: X Offset	32.0
Chart Area: Width	218.0
Chart Area: Y Offset	40.0
Chart Area: Height	190.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Time window moves	Continuously
Show name	false
Logging	true

Plot Items:

Title	Type	Dataset / Value	Point Style	Color	Line	Width	Interpolation
UCSC Cafeteria Occupied	value	v_ucsc_occupancy	NONE	lime	true	1.0	LINEAR
UCSC Cafeteria Demand	value	v_ucsc_queue	NONE	dodgerBlue	true	1.0	LINEAR
UCSC canteen Max Capacity	value	150	NONE	red	true	1.0	LINEAR

Time Plot: plot3

Name	Value
General	
Lock	false
Public	true
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPER TIES	- Recurring Event Properties
Dataset Samples To Keep	480
Scale	

Name	Value
Time window	480
Time	model time units
Vertical scale	Auto
Appearance	
Labels horizontal position	DEFAULT
Labels vertical position	DEFAULT
Label format	HH:mm
Background color	lavender
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Draw line	true
Fill area under line	false
Interpolation	Linear
Position and size	
x	600.0
Width	280.0
y	-589.333
Height	309.333
Legend	
Show legend	true
Legend size	60.00000000000006
Legend text color	black
Chart area	
Chart Area: X Offset	40.0
Chart Area: Width	220.0
Chart Area: Y Offset	29.333
Chart Area: Height	179.99999999999994
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Time window moves	Continuously
Show name	false
Logging	true

Plot Items:

Title	Type	Dataset / Value	Point Style	Color	Line	Width	Interpolation
Science Canteens's occupied	value	v_scicanteen_occupancy	NONE	lime	true	1.0	LINEAR
Science canteen's Demand	value	v_scicanteen_queue	NONE	dodgerBlue	true	1.0	LINEAR
Maximum Capacity	value	60	NONE	red	true	1.0	LINEAR

Time Plot: plot4

Name	Value
General	
Lock	false
Public	true
Data update	

Name	Value
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties
Dataset Samples To Keep	480
Scale	
Time window	480
Time	model time units
Vertical scale	Auto
Appearance	
Labels horizontal position	DEFAULT
Labels vertical position	DEFAULT
Label format	HH:mm
Background color	lavender
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Draw line	true
Fill area under line	false
Interpolation	Linear
Position and size	
x	880.0
Width	304.0
y	-580.0
Height	317.333
Legend	
Show legend	true
Legend size	85.33300000000003
Legend text color	black
Chart area	
Chart Area: X Offset	40.0
Chart Area: Width	234.0
Chart Area: Y Offset	32.0
Chart Area: Height	174.667
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Time window moves	Continuously
Show name	false
Logging	true

Plot Items:

Title	Type	Dataset / Value	Point Style	Color	Line	Width	Interpolation
Newbuilding's canteen occupied	value	v_nb_eat_occupancy	NONE	lime	true	1.0	LINEAR
Newbuilding's canteen Demand	value	v_nb_eat_queue	NONE	dodgerBlue	true	1.0	LINEAR
New building's canteen maximum capacity	value	Capacity_of_New_Canteen	NONE	red	true	1.0	LINEAR

Histogram: Library

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	
Analysis auto update	false
Appearance	
Bars relative width	0.85
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	-40.0
Width	240.0
y	-1600.0
Height	220.0
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	160.0
Chart Area: Y Offset	30.0
Chart Area: Height	130.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
Library Occupancy	HD_library_occupied	blue	slateGray	crimson	1	mediumSeaGreen	deepSkyBlue

Histogram: Deanfront

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	
Analysis auto update	false
Appearance	

Name	Value
Bars relative width	0.8
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	200.0
Width	260.0
y	-1600.0
Height	220.0
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	180.0
Chart Area: Y Offset	30.0
Chart Area: Height	130.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
Deanfront occupancy	HD_deanfront_occupied	blue	deepSkyBlue	deepSkyBlue	1	mediumOrchid	deepPink

Histogram: ILCg

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	
Analysis auto update	false
Appearance	
Bars relative width	0.8
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	480.0
Width	260.0
y	-1600.0
Height	220.0

Name	Value
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	180.0
Chart Area: Y Offset	30.0
Chart Area: Height	130.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
ILCg Occupancy	HD_ilcg_occupied	blue	slateBlue	mediumOrchid	1	chocolate	dodgerBlue

Histogram: UCSC_Canteen

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	
Analysis auto update	false
Appearance	
Bars relative width	0.8
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	0.0
Width	300.0
y	-1380.0
Height	230.0
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	220.0
Chart Area: Y Offset	30.0
Chart Area: Height	140.0

Name	Value
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
UCSC Canteen Occupancy	HD_UCSCC_occupied	blue	yellowGreen	yellowGreen	1	goldenRod	darkMagenta

Histogram: Science_canteen

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	
Analysis auto update	false
Appearance	
Bars relative width	0.8
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	340.0
Width	320.0
y	-1400.0
Height	230.0
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	240.0
Chart Area: Y Offset	30.0
Chart Area: Height	140.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
Science Canteen occupancy	HD_Scicanteen_occupied	blue	gold	chocolate	1	lightSlateBlue	mediumOrchid

Histogram: Newbuilding_studyarea

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	
Analysis auto update	false
Appearance	
Bars relative width	0.8
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	680.0
Width	320.0
y	-1420.0
Height	230.0
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	240.0
Chart Area: Y Offset	30.0
Chart Area: Height	140.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
Newbuilding Study area	HD_newbuilding_study_occupied	blue	lightSlateBlue	mediumOrchid	1	dodgerBlue	gold

Histogram: Newbuilding_Canteen

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	

Name	Value
Analysis auto update	false
Appearance	
Bars relative width	0.8
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	720.0
Width	290.0
y	-1600.0
Height	220.0
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	210.0
Chart Area: Y Offset	30.0
Chart Area: Height	130.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
Newbuilding's canteen occupancy	HD_newbuilding_eat_occupied	blue	chocolate	darkKhaki	1	mediumSeaGreen	mediumSeaGreen

Histogram: chart6

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	
Analysis auto update	false
Appearance	
Bars relative width	0.8
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	1190.0
Width	270.0

Name	Value
y	-1590.0
Height	220.0
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	190.0
Chart Area: Y Offset	30.0
Chart Area: Height	130.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
Library Queue	HD_library_queue	olive	mediumTurquoise	chocolate	1	mediumTurquoise	yellowGreen

Histogram: chart8

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	
Analysis auto update	false
Appearance	
Bars relative width	0.8
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	1430.0
Width	260.0
y	-1590.0
Height	220.0
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	180.0

Name	Value
Chart Area: Y Offset	30.0
Chart Area: Height	130.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
Deanfront Queue	HD_deanfront_queue	olive	goldenRod	crimson	1	mediumTurquoise	lightSlateBlue

Histogram: chart9

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	
Analysis auto update	false
Appearance	
Bars relative width	0.8
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	1660.0
Width	280.0
y	-1590.0
Height	220.0
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	200.0
Chart Area: Y Offset	30.0
Chart Area: Height	130.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
ILCg Queue	HD_ilcg_queue	olive	slateBlue	slateBlue	1	darkMagenta	limeGreen

Histogram: chart10

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	
Analysis auto update	false
Appearance	
Bars relative width	0.8
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	1210.0
Width	290.0
y	-1350.0
Height	250.0
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	210.0
Chart Area: Y Offset	30.0
Chart Area: Height	160.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
UCSC Queue	HD_UCSCC_queue	olive	dodgerBlue	slateBlue	1	darkOrange	yellowGreen

Histogram: chart11

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	

Name	Value
Analysis auto update	false
Appearance	
Bars relative width	0.8
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	1500.0
Width	290.0
y	-1340.0
Height	240.0
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	210.0
Chart Area: Y Offset	30.0
Chart Area: Height	150.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
Scicanteen Queue	HD_Scicanteen_queue	olive	mediumTurquoise	darkMagenta	1	lightSlateBlue	deepSkyBlue

Histogram: chart12

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	
Analysis auto update	false
Appearance	
Bars relative width	0.8
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	1798.0
Width	300.0

Name	Value
y	-1340.0
Height	240.0
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	220.0
Chart Area: Y Offset	30.0
Chart Area: Height	150.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
New building study area Queue	HD_newbuilding_study_queue	olive	mediumOrchid	violetRed	1	orange	crimson

Histogram: chart13

Name	Value
General	
Show mean	true
Show CDF	false
Show PDF	true
Lock	false
Public	true
Data update	
Analysis auto update	false
Appearance	
Bars relative width	0.8
Labels vertical position	DEFAULT
Labels Text Color	darkGray
Chart Area Grid Color	darkGray
Position and size	
x	1930.0
Width	273.0
y	-1590.0
Height	217.0
Legend	
Show legend	true
Legend size	30.0
Legend text color	black
Chart area	
Chart Area: X Offset	50.0
Chart Area: Width	193.0

Name	Value
Chart Area: Y Offset	30.0
Chart Area: Height	127.0
Chart Area: Background Color	white
Chart area border color	black
Advanced	
Show name	false

Histogram Data Items:

Title	Dataset	PDF Color	CDF Color	Mean Color	Width	Low % Color	High % Color
Newbuilding canteen demand	HD_newbuilding_eat_queue	olive	coral	lightSlateBlue	1	slateBlue	crimson

Histogram Data: HD_deanfront_occupied

Name	Value
General	
Logging	true
Calculate CDF	false
Number of intervals	10
Value	v_deanfront_occupancy
Show at runtime	true
Show name	true
Values range	
Data range	false
Range minimum	0
Range maximum	80
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties

Histogram Data: HD_library_occupied

Name	Value
General	
Logging	true
Calculate percentiles	false
Calculate CDF	true
Number of intervals	10
Value	v_library_occupancy
Show at runtime	true
Show name	true
Values range	
Data range	true
Initial interval size	0.1
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties

Histogram Data: HD_ilcg_occupied

Name	Value
General	
Logging	true
Calculate percentiles	false
Calculate CDF	true
Number of intervals	10
Value	v_ilcg_occupancy
Show at runtime	true
Show name	true
Values range	
Data range	true
Initial interval size	0.1
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties

Histogram Data: HD_UCSCC_occupied

Name	Value
General	
Logging	true
Calculate percentiles	false
Calculate CDF	true
Number of intervals	10
Value	v_ucsc_occupancy
Show at runtime	true
Show name	true
Values range	
Data range	true
Initial interval size	0.1
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties

Histogram Data: HD_Scicanteen_occupied

Name	Value
General	
Logging	true
Calculate percentiles	false
Calculate CDF	true
Number of intervals	10
Value	v_scicanteen_occupancy
Show at runtime	true
Show name	true
Values range	
Data range	true
Initial interval size	0.1

Name	Value
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties

Histogram Data: HD_newbuilding_eat_occupied

Name	Value
General	
Logging	true
Calculate percentiles	false
Calculate CDF	true
Number of intervals	10
Value	v_nb_eat_occupancy
Show at runtime	true
Show name	true
Values range	
Data range	true
Initial interval size	0.1
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties

Histogram Data: HD_newbuilding_study_occupied

Name	Value
General	
Logging	true
Calculate percentiles	false
Calculate CDF	true
Number of intervals	10
Value	v_nb_occupancy
Show at runtime	true
Show name	true
Values range	
Data range	true
Initial interval size	0.1
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties

Histogram Data: HD_deanfront_queue

Name	Value
General	
Logging	true
Calculate CDF	false
Number of intervals	10

Name	Value
Value	v_deanfront_queue
Show at runtime	true
Show name	true
Values range	
Data range	false
Range minimum	1
Range maximum	80
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties

Histogram Data: HD_library_queue

Name	Value
General	
Logging	true
Calculate percentiles	false
Calculate CDF	true
Number of intervals	10
Value	v_library_queue
Show at runtime	true
Show name	true
Values range	
Data range	true
Initial interval size	0.1
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties

Histogram Data: HD_ilcg_queue

Name	Value
General	
Logging	true
Calculate percentiles	false
Calculate CDF	true
Number of intervals	10
Value	v_ilcg_queue
Show at runtime	true
Show name	true
Values range	
Data range	true
Initial interval size	0.1
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties

Histogram Data: HD_UCSCC_queue

Name	Value
General	
Logging	true
Calculate percentiles	false
Calculate CDF	true
Number of intervals	10
Value	v_ucsc_queue
Show at runtime	true
Show name	true
Values range	
Data range	true
Initial interval size	0.1
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties

Histogram Data: HD_Scicanteen_queue

Name	Value
General	
Logging	true
Calculate percentiles	false
Calculate CDF	true
Number of intervals	10
Value	v_scicanteen_queue
Show at runtime	true
Show name	true
Values range	
Data range	true
Initial interval size	0.1
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties

Histogram Data: HD_newbuilding_eat_queue

Name	Value
General	
Logging	true
Calculate percentiles	false
Calculate CDF	true
Number of intervals	10
Value	v_nb_eat_queue
Show at runtime	true
Show name	true
Values range	
Data range	true

Name	Value
Initial interval size	0.1
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPER TIES	- Recurring Event Properties

Histogram Data: HD_newbuilding_study_queue

Name	Value
General	
Logging	true
Calculate percentiles	false
Calculate CDF	true
Number of intervals	10
Value	v_nb_queue
Show at runtime	true
Show name	true
Values range	
Data range	true
Initial interval size	0.1
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPER TIES	- Recurring Event Properties

Data Set: dataset

Name	Value
General	
Dataset Samples To Keep	480
Axis Data Vertical Y Axis	v_deanfront_occupancy
Axis Data Freeze X Axis	true
Show at runtime	true
Show name	true
Data update	
Analysis auto update	false
Logging	true

Data Set: dataset1

Name	Value
General	
Dataset Samples To Keep	4800
Axis Data Vertical Y Axis	v_library_occupancy
Axis Data Freeze X Axis	true
Show at runtime	true
Show name	true
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPER	- Recurring Event Properties

Name	Value
TIES	
Logging	true

Data Set: dataset2

Name	Value
General	
Dataset Samples To Keep	100
Axis Data Vertical Y Axis	4
Axis Data Freeze X Axis	true
Show at runtime	true
Show name	true
Data update	
Analysis auto update	true
ANALYSIS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties
Logging	true

Text: text

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Text	
Text	Information and Learning Center
Appearance	
Color	black
Alignment	CENTER
Position and size	
x	540.0
y	250.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
Show name	false

Text: text1

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Text	

Name	Value
Text	Open space infront of Dean's Office
Appearance	
Color	black
Alignment	CENTER
Position and size	
x	420.0
y	340.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
Show name	false

Text: text2

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Text	
Text	Department of Mathematics
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	470.0
y	420.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
Show name	false

Image: image

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Position and size	
x	0.0
Width	1000.0
y	0.0
Height	600.0

Name	Value
z	0.0
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false

3D Object: tree_2

Name	Value
General	
Scale	1.0
Auto scale	true
File Name	ResourceReference: sup.3d/tree_2.dae (Resolved: true)
Show at runtime	true
Lock	false
Public	true
Position and size	
x	600.0
y	450.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false
Internal lights	Off

3D Object: tree_3

Name	Value
General	
Scale	2.9
Auto scale	true
File Name	ResourceReference: sup.3d/tree_2.dae (Resolved: true)
Show at runtime	true
Lock	false
Public	true
Position and size	
x	250.0
y	450.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false
Internal lights	Off

Camera: camera

Name	Value
------	-------

Name	Value
General	
Rotation Z	-45.0
Rotation X	25.0
Show name	false
Position and size	
x	-80.0
y	520.0
z	100.0

Agent Presentation: student_presentation

Name	Value
General	
Show at runtime	true
Public	true
Position and size	
x	0.0
y	0.0
z	0.0
Rotation	0.0
Scale	Automatically calculated
Advanced	
Show in	2D and 3D
Draw agent with offset to this position	false
Show name	false

3D Object: tree_4

Name	Value
General	
Scale	1.9
Auto scale	true
File Name	ResourceReference: sup.3d/tree_2.dae (Resolved: true)
Show at runtime	true
Lock	false
Public	true
Position and size	
x	262.667
y	298.667
z	0.0
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false
Internal lights	Off

Text: text4

Name	Value
------	-------

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Text	
Text	text
Dynamic: Text	getHour()
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	660.0
y	560.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
Show name	false

Rectangle: rectangle2

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Appearance	
Fill color	dodgerBlue
Line width	1.0
Line style	solid
Position and size	
x	0.0
Width	1000.0
y	720.0
Height	80.0
z	0.0
Z-Height	10.0
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false

Text: text10

Name	Value
General	
Show at runtime	true

Name	Value
Lock	false
Embedded icon	false
Public	true
Text	
Text	Logic
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	470.0
y	740.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	Logic.navigateTo();
Show name	false

Text: text11

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Text	
Text	3D
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	590.0
y	740.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	map3D.navigateTo();
Show name	false

Text: text12

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true

Name	Value
Text	
Text	2D
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	680.0
y	740.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	map2D.navigateTo();
Show name	false

Text: text13

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Text	
Text	Charts
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	770.0
y	740.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	charts.navigateTo();
Show name	false

Text: text17

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Text	
Text	Hist1
Appearance	

Name	Value
Color	black
Alignment	LEFT
Position and size	
x	320.0
y	740.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	occupancy_hist.navigateTo();
Show name	false

Text: text34

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Text	
Text	Hist2
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	900.0
y	740.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	queue_hist.navigateTo();
Show name	false

Group: group2

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Position and size	
x	1800.0
y	-1040.0
z	0.0
Rotation	0.0
Advanced	

Name	Value
Show in	2D and 3D
Show name	false

Rectangle: rectangle6

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Appearance	
Fill color	dodgerBlue
Line width	1.0
Line style	solid
Position and size	
x	-600.0
Width	1000.0
y	-46.369
Height	82.036
z	0.0
Z-Height	10.0
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false

Text: text42

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Logic
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	-232.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	Logic.navigateTo();
Show name	false

Text: text43

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Charts
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	40.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	charts.navigateTo();
Show name	false

Text: text44

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	3D
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	-40.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	map3D.navigateTo();
Show name	false

Text: text45

Name	Value
General	
Show at runtime	true
Lock	false
Public	true

Name	Value
Text	
Text	2D
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	-110.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	map2D.navigateTo();
Show name	false

Text: text46

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Hist Occ
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	160.0
y	-40.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	occupancy_hist.navigateTo();
Show name	false

Text: text47

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Hist Queue
Appearance	
Color	black

Name	Value
Alignment	LEFT
Position and size	
x	247.0
y	-40.164
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	queue_hist.navigateTo();
Show name	false

Group: group3

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Position and size	
x	600.0
y	-1040.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false

Rectangle: rectangle7

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Appearance	
Fill color	dodgerBlue
Line width	1.0
Line style	solid
Position and size	
x	-600.0
Width	1000.0
y	-46.369
Height	82.036
z	0.0
Z-Height	10.0
Rotation	0.0
Advanced	

Name	Value
Show in	2D and 3D
Show name	false

Text: text48

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Logic
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	-232.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	Logic.navigateTo();
Show name	false

Text: text49

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Charts
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	40.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	charts.navigateTo();
Show name	false

Text: text50

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	3D
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	-40.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	map3D.navigateTo();
Show name	false

Text: text51

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	2D
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	-110.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	map2D.navigateTo();
Show name	false

Text: text52

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	

Name	Value
Text	Hist Occ
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	160.0
y	-40.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	occupancy_hist.navigateTo();
Show name	false

Text: text53

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Hist Queue
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	247.0
y	-40.164
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	queue_hist.navigateTo();
Show name	false

Group: group4

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Position and size	
x	600.0
y	-240.0
z	0.0

Name	Value
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false

Text: text54

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Logic
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	-227.435
y	-19.443
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	Logic.navigateTo();
Show name	false

Text: text55

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Charts
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	39.213
y	-19.443
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	charts.navigateTo();
Show name	false

Text: text56

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	3D
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	-39.213
y	-19.443
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	map3D.navigateTo();
Show name	false

Text: text57

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	2D
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	-107.835
y	-19.443
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	map2D.navigateTo();
Show name	false

Text: text58

Name	Value
General	
Show at runtime	true
Lock	false

Name	Value
Public	true
Text	
Text	Hist Occ
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	156.852
y	-38.885
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	occupancy_hist.navigateTo();
Show name	false

Text: text59

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Hist Queue
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	242.14
y	-39.045
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	queue_hist.navigateTo();
Show name	false

Group: group5

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Position and size	
x	600.0

Name	Value
y	53.228
z	0.0
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false

Rectangle: rectangle9

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Appearance	
Fill color	dodgerBlue
Line width	1.0
Line style	solid
Position and size	
x	-600.0
Width	1000.0
y	-50.582
Height	86.249
z	0.0
Z-Height	10.0
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false

Text: text60

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Logic
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	-232.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	

Name	Value
Show in	2D only
On click	Logic.navigateTo();
Show name	false

Text: text61

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Charts
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	40.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	charts.navigateTo();
Show name	false

Text: text62

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	3D
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	-40.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	map3D.navigateTo();
Show name	false

Text: text63

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	2D
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	-110.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	map2D.navigateTo();
Show name	false

Text: text64

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Hist Occ
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	160.0
y	-40.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	occupancy_hist.navigateTo();
Show name	false

Text: text65

Name	Value
General	
Show at runtime	true
Lock	false
Public	true

Name	Value
Text	
Text	Hist Queue
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	247.0
y	-40.164
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	queue_hist.navigateTo();
Show name	false

Group: group6

Name	Value
General	
Show at runtime	true
Lock	false
Embedded icon	false
Public	true
Position and size	
x	1800.0
y	560.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false

Rectangle: rectangle10

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Appearance	
Fill color	dodgerBlue
Line width	1.0
Line style	solid
Position and size	
x	-600.0
Width	1240.0
y	-40.0
Height	82.036

Name	Value
z	0.0
Z-Height	10.0
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false

Text: text66

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Logic
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	-92.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	Logic.navigateTo();
Show name	false

Text: text67

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Charts
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	180.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	charts.navigateTo();

Name	Value
Show name	false

Text: text68

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	3D
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	100.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	map3D.navigateTo();
Show name	false

Text: text69

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	2D
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	30.0
y	-20.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	map2D.navigateTo();
Show name	false

Text: text70

Name	Value
------	-------

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Hist Occ
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	300.0
y	-40.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	occupancy_hist.navigateTo();
Show name	false

Text: text71

Name	Value
General	
Show at runtime	true
Lock	false
Public	true
Text	
Text	Hist Queue
Appearance	
Color	black
Alignment	LEFT
Position and size	
x	387.0
y	-40.164
z	0.0
Rotation	0.0
Advanced	
Show in	2D only
On click	queue_hist.navigateTo();
Show name	false

View Area: Logic

Name	Value
General	
Show name	false
Position and size	
x	1200.0

Name	Value
Width	1240.0
y	0.0
Height	600.0

View Area: charts

Name	Value
General	
Show name	false
Position and size	
x	0.0
Width	1180.0
y	-880.0
Height	680.0

View Area: map2D

Name	Value
General	
Show name	false
Position and size	
x	0.0
Width	1000.0
y	0.0
Height	600.0

View Area: map3D

Name	Value
General	
Show name	false
Position and size	
x	0.0
Width	1000.0
y	720.0
Height	680.0

View Area: occupancy_hist

Name	Value
General	
Show name	false
Position and size	
x	0.0
Width	1000.0
y	-1600.0
Height	600.0

View Area: queue_hist

Name	Value
General	
Show name	false
Position and size	
x	1200.0
Width	1000.0
y	-1600.0
Height	600.0

3D Window: window3d

Name	Value
General	
Navigation type	Full
Lock	false
Position and size	
x	0.0
Width	1000.0
y	800.0
Height	600.0
Advanced	
Make Default View Area	true
Show name	false
Far Clipping Distance	2000.0

Slider: slider

Name	Value
General	
Enabled	true
Step	0.1
Maximum value	0.5
Minimum value	0
Link	Tendency_to_study
Link	Tendency_to_study
Link to	true
Orientation	Horizontal
Lock	false
Public	true
Position and size	
x	1240.0
Width	240.0
y	-720.0
Height	40.0
Advanced	
Show name	false
Embedded icon	false

Slider: slider2

Name	Value
General	
Enabled	true
Step	0.1
Maximum value	0.75
Minimum value	0
Link	Tendency_to_dine
Link	Tendency_to_dine
Link to	true
Orientation	Horizontal
Lock	false
Public	true
Position and size	
x	1240.0
Width	240.0
y	-760.0
Height	27.0
Advanced	
Show name	false
Embedded icon	false

Slider: slider3

Name	Value
General	
Enabled	true
Step	10
Maximum value	500
Minimum value	0
Link	Capacity_of_the_Newbuilding
Link	Capacity_of_the_Newbuilding
Link to	true
Orientation	Horizontal
Lock	false
Public	true
Position and size	
x	1200.0
Width	240.0
y	-640.0
Height	30.0
Advanced	
Show name	false
Embedded icon	false

Link to agents: connections

Name	Value
General	
Show at runtime	true

Name	Value
Show name	true
Communication	
Message type	Object
Animation	
Draw line	false

Agent Type: Student

Name	Value
Agent in flowcharts	
Use in flowcharts as	Pedestrian
Dimensions and movement	
Speed	(3 : FPS)
Rotate animation towards movement	true
Rotate vertically as well (along Z-axis)	false
Space and network	
Space Type	Continuous
Advanced Java	
Generic	false
Advanced	
Logging	true
Auto-create datasets	true
AOC_DATASETS_UPDATE_TIME_PROPERTIES	- Recurring Event Properties
Limit the number of data samples	false



main



connections

.



distance_from_home



female



independent study



is hungry



next lecture



dept

Scale: scale

Name	Value
General	
Unit	meters
Scale	10.0
Type	Defined graphically
Length, pixels	50.0
Show at runtime	false
Lock	false

Name	Value
Public	false
Position and size	
x	0.0
y	-150.0
Rotation	0.0

Parameter: distance_from_home

Name	Value
General	
Array	false
Type	double
Show at runtime	true
Show name	true
Value editor	
Editor control	Text
Advanced	
System dynamics units	false
Save in snapshot	true

Parameter: independent_study

Name	Value
General	
Array	false
Default value	randomTrue(0.5)
Type	boolean
Show at runtime	true
Show name	true
Value editor	
Editor control	Check Button
Advanced	
System dynamics units	false
Save in snapshot	true

Parameter: is_hungry

Name	Value
General	
Array	false
Default value	randomTrue(0.01)
Type	boolean
Show at runtime	true
Show name	true
Value editor	
Editor control	Check Button
Advanced	
System dynamics units	false
Save in snapshot	true

Parameter: next_lecture

Name	Value
General	
Array	false
Type	boolean
Show at runtime	true
Show name	true
Value editor	
Editor control	Check Button
Advanced	
System dynamics units	false
Save in snapshot	true

Parameter: dept

Name	Value
General	
Array	false
Type	String
Show at runtime	true
Show name	true
Value editor	
Editor control	Text
Advanced	
System dynamics units	false
Save in snapshot	true

Parameter: female

Name	Value
General	
Array	false
Default value	randomTrue(0.6)
Type	boolean
Show at runtime	true
Show name	true
Value editor	
Editor control	Check Button
Advanced	
System dynamics units	false
Save in snapshot	true

3D Object: boy

Name	Value
General	
Scale	1.0

Name	Value
Auto scale	true
File Name	ResourceReference: sup.3d/boy.dae (Resolved: true)
Dynamic: Visible	!female
Show at runtime	true
Lock	false
Public	true
Position and size	
x	0.0
y	0.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false
Internal lights	Off

3D Object: girl

Name	Value
General	
Scale	1.0
Auto scale	true
File Name	ResourceReference: sup.3d/girl.dae (Resolved: true)
Dynamic: Visible	female
Show at runtime	true
Lock	false
Public	true
Position and size	
x	0.0
y	0.0
z	0.0
Rotation	0.0
Advanced	
Show in	2D and 3D
Show name	false
Internal lights	Off

Link to agents: connections

Name	Value
General	
Show at runtime	true
Show name	true
Communication	
Message type	Object
Animation	
Draw line	false

Simulation Experiment: With_Newbuilding

Name	Value
General	
Bypass Initial Simulation Screen	true
Maximum available memory	4096
Agent type	Main
Model time	
Execution mode	Real time with scale
Real time scale	1.0
Stop option	Stop at specified date
Initial time	0.0
Initial date	Mon Aug 14 08:00:00 GMT 2023
Final date	Mon Aug 14 16:00:00 GMT 2023
Randomness	
Random Number Generation Type	Fixed seed (reproducible simulation runs)
Seed value	1
Window	
Title	sup4 : With_Newbuilding
Enable zoom and panning	true
Enable developer panel	true
Show developer panel on start	false
Advanced	
Load root from snapshot	false

sup4

Text: text

Name	Value
General	
Show at runtime	true
Lock	false
Text	
Text	sup4
Appearance	
Color	royalBlue
Alignment	LEFT
Position and size	
x	50.0
y	30.0
z	0.0
Rotation	0.0
Advanced	
Show name	false