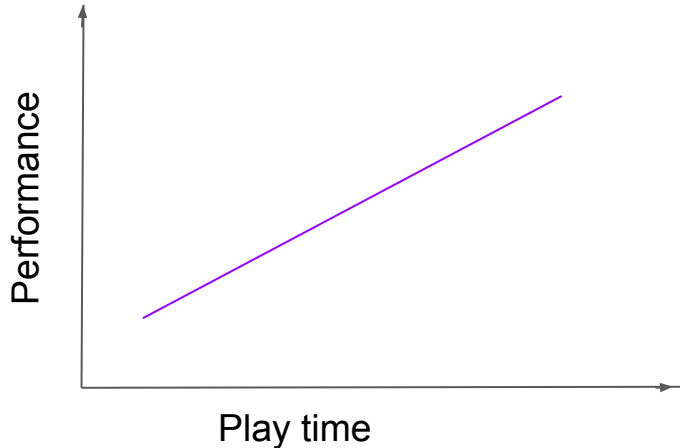


Data Instrumentation

What to Collect?

- Figure out what you want to collect first!
- In game instrumentation should be based on parameters informing your experiment.
- Design your experiment!



```
}{"type": "action",
  "data": {
    "action_seqno": "4",
    "client_time(s)": "9.7998765",
    "details": {
      "ConversationChoice": "2"
    },
    "session_id": "0a94adb8-dfc4-4053-84be-17606e1c3911"
  }
}

{"type": "action",
  "data": {
    "action_seqno": "5",
    "client_time(s)": "10.4612904",
    "details": {
      "ConversationChoice": "2"
    },
    "session_id": "0a94adb8-dfc4-4053-84be-17606e1c3911"
  }
}

{"type": "action",
  "data": {
    "action_seqno": "6",
    "client_time(s)": "10.6707745",
    "details": {
      "ConversationChoice": "2"
    },
    "session_id": "0a94adb8-dfc4-4053-84be-17606e1c3911"
  }
}

{"type": "action",
  "data": {
    "action_seqno": "7",
    "client_time(s)": "10.8935327",
    "details": {
      "ConversationChoice": "2"
    },
    "session_id": "0a94adb8-dfc4-4053-84be-17606e1c3911"
  }
}

{"type": "action",
  "data": {
    "action_seqno": "8",
    "client_time(s)": "11.1166284",
    "details": {
      "ConversationChoice": "2"
    },
    "session_id": "0a94adb8-dfc4-4053-84be-17606e1c3911"
  }
}
```

Time	Pre-Test																		Post-Test				
	Pre K1	Pre K2	Pre K3	Pre K4	Pre K5	Pre C1	Pre C2	Pre C3	Pre C4	Pre C5	Pre C6	Post K1	Post K2	Post K3	Post K4	Post K5	Post C1	Post C2					
	2	3	1	0	3	4	4	4	4	4	4	2	0	1	0	3	2	2					
	0	2	0	0	0	0	1	3	3	3	3	1	1	0	0	2	3	3					
	2	3	0	0	3	1	1	1	1	1	1	2	3	0	0	3	1	1					
	2	1	0	1	3	3	3	3	3	3	3	2	0	0	1	3	2	2					
	1	2	2	2	3	3	4	4	4	4	4	1	0	3	2	3	4	3					
	2	2	0	0	3	4	4	3	3	4	4	2	2	0	0	3	0	0					
	2	2	0	0	3	2	2	2	2	2	2	2	2	0	0	3	0	0					
	2	0	2	0	3	2	2	2	2	2	2	2	0	2	0	3	1	1					
	0	0	0	1	3	3	2	2	2	2	2	2	2	0	1	3	1	1					
	2	2	2	1	3	4	4	4	4	4	4	2	2	2	0	3	2	2					
	2	2	0	1	3	3	3	3	3	3	3	2	2	0	0	3	0	0					
	2	2	0	0	3	2	2	2	2	2	2	2	2	0	0	3	1	1					
	2	3	0	1	3	3	3	3	3	3	3	2	3	0	1	3	3	3					
	1	2	2	1	3	1	4	4	4	4	4	3	3	2	0	3	3	3					
	2	2	0	0	0	1	1	1	1	1	1	2	2	0	0	0	0	0					
	0	1	1	2	1	0	1	2	2	2	4	2	1	1	1	1	1	1					
	0	3	0	0	3	0	1	2	1	2	1	1	2	0	0	3	1	1					
	2	3	1	0	3	3	3	3	3	3	3	2	3	1	3	3	2	2					
	2	3	0	2	3	3	3	2	3	3	3	2	3	0	0	3	1	2					
	2	2	0	0	3	2	2	2	1	3	3	3	2	2	3	0	1	2					
	2	0	3	0	3	2	2	2	2	2	2	2	2	3	0	3	1	1					
	1	3	0	0	0	2	2	2	2	2	2	2	3	0	0	3	2	2					
	0	3	0	3	3	4	4	4	4	4	4	2	2	0	0	3	2	1					
	2	2	0	1	2	2	2	2	2	2	2	2	0	0	1	2	2	2					