## Event Expressions CS462

select when web pageview

select when web pageview
url re#/archives/\d{4}/#

```
select when web pageview
  url re#/archives/(\d{4})/#
  title re#iphone (\w*)#i
  setting(year, next)
```

select when bank withdrawal where amount > 100

```
select when web pageview where
url.extract(re#/archives/(\d{4})/#)
>
2003
```

- A or B
- A and B
- A before B
- A after B
- A then B
- A between (B, C)
- A not between (B, C)

select when bank withdrawal
where amount > 100
before bank deposit
where amount > 100

\* web:pageview shortened to pageview

select when pageview url re#custserv.html#
before pageview url re#homepage.html#
within 3 hours

select when count(4, bank withdrawal where amount > 100)

- **any**(n A, B, ...)
- count(n, A)
- repeat(n, A)

```
select when any(2, pageview url re#orbitz#,
pageview url re#kayak#,
pageview url re#priceline#,
pageview url re#travelocity#,
pageview url re#expedia#
```

select when count(4, bank withdrawal where amount > 100) within 24 hours

```
select when
   twilio inbound_call from #(.*)#
    setting (num)
   after
   twilio sms_received where
     from.match("#"+num+"#".as("regexp"))
   within 1 hour
```

- **■** E max(x)
- Emin(x)
- E sum(x)
- E avg(x)
- E push(x)

```
select when repeat 5
  (thermostat new_temperature
    temperature re/(.*)/) avg(avg_temp)
```