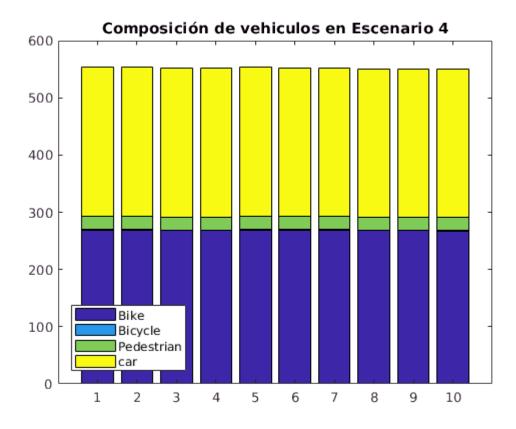
Análisis de composición de Nodos Escenario 4

```
bar(ind','stacked')
title('Composición de vehiculos en Escenario 4')
legend('Bike','Bicycle','Pedestrian','car','Location','SouthWest');
xlim([0,11])
```

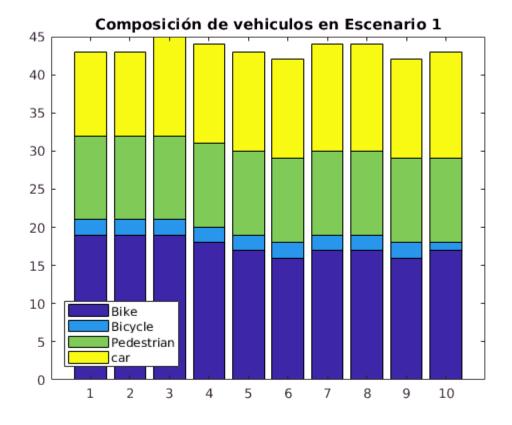


```
ind
ind =
```

```
260
               260
                     260
                           260
                                 259
                                       259
                                             259
                                                  259
         260
sum(ind)
ans =
   553
         553
               552
                     552
                           553
                                552
                                       552
                                             551
                                                  551
                                                         551
```

Análisis de composición de Nodos Escenario 1

```
ind2 = zeros(4,10);
for i=1:length(LD_Nodes)
    for k=0:9
        if LD_Nodes(i,1) <= 23500+k && LD_Nodes(i,2)>23500+k
            ind2(LD Nodes(i,3),k+1)=ind2(LD Nodes(i,3),k+1)+1;
        end
    end
end
bar(ind2','stacked')
title('Composición de vehiculos en Escenario 1')
legend('Bike', 'Bicycle', 'Pedestrian', 'car', 'Location', 'SouthWest');
xlim([0,11])
```



```
ind2
ind2 =
   19
        19
             19
                  18
                       17
                            16
                                 17
                                     17
                                          16
                                               17
   2
        2
             2
                  2
                       2
                            2
                                 2
                                      2
                                          2
                                               1
   11
        11
             11
                  11
                       11
                            11
                                 11
                                      11
                                          11
                                               11
   11
        11
             13
                  13
                       13
                            13
                                 14
                                      14
                                          13
                                               14
sum(ind2)
ans =
        43
             45
                  44
                       43
                            42
                                 44
                                     44
                                          42
                                               43
   43
```

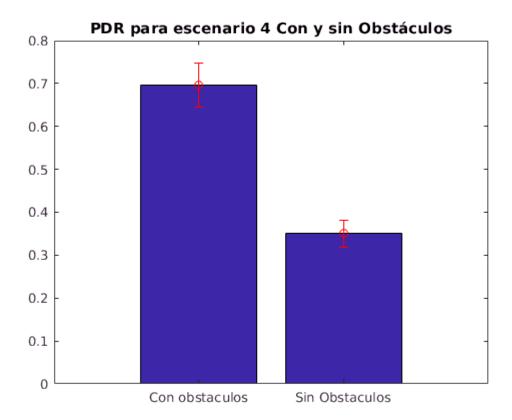
Diferencias Escenario sin Obstáculos Escenario 4 - r=10Hz

• Para el escenario con obstaculos se consideran 10 repeticiones mientras en el que no se consideran solo se toma una corrida.

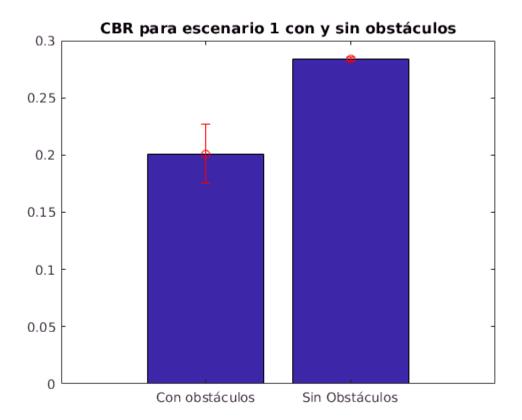
```
PDR = [0.696 0.350];
PDR_STD = [0.052 0.032];

CBR = [0.2010 0.2839];
CBR_STD = [0.0259 0.00181];

bar(PDR)
hold on
errorbar(PDR,PDR_STD, 'ro')
hold off
xlim([0,3]);
title('PDR para escenario 4 Con y sin Obstáculos');
xticklabels({'Con obstaculos','Sin Obstaculos'});
```



```
bar(CBR)
hold on
errorbar(CBR,CBR_STD, 'ro')
hold off
xlim([0,3]);
title('CBR para escenario 1 con y sin obstáculos');
xticklabels({'Con obstáculos','Sin Obstáculos'});
```

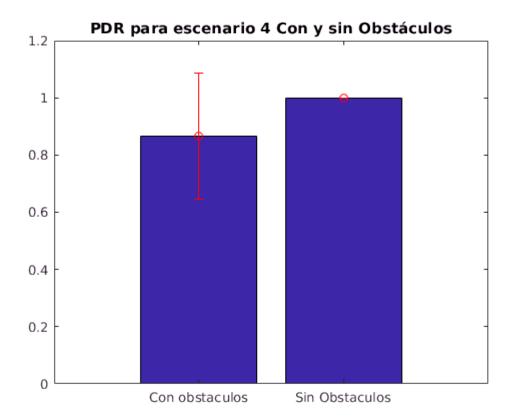


Diferencias Escenario sin Obstáculos Escenario 1 - r=1Hz

```
PDR = [0.865 1.0];
PDR_STD = [0.22 0];

CBR = [0.00086 0.0044];
CBR_STD = [0.000316 9.530237957286526e-05];

bar(PDR)
hold on
errorbar(PDR,PDR_STD, 'ro')
hold off
xlim([0,3]);
title('PDR para escenario 4 Con y sin Obstáculos');
xticklabels({'Con obstaculos','Sin Obstaculos'});
```



```
bar(CBR)
hold on
errorbar(CBR,CBR_STD, 'ro')
hold off
xlim([0,3]);
title('CBR para escenario 1 con y sin obstáculos');
xticklabels({'Con obstáculos','Sin Obstáculos'});
```

