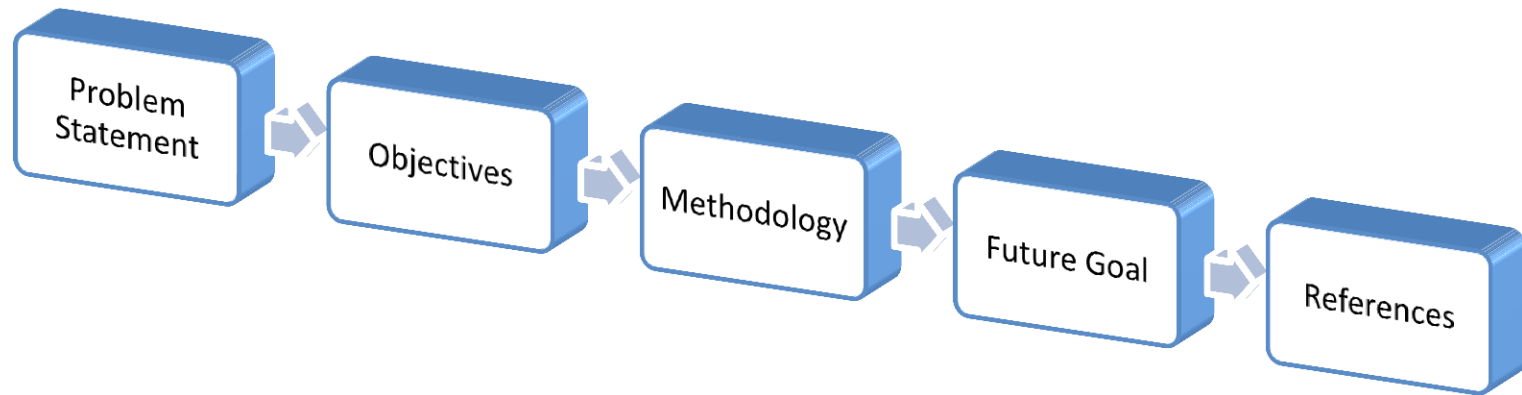# Impacto del curso 'Iniciación al Cálculo' en el semestre 2015-1

Preliminary Presentation
February 25th

Carlos Esteban Posada-Mejia
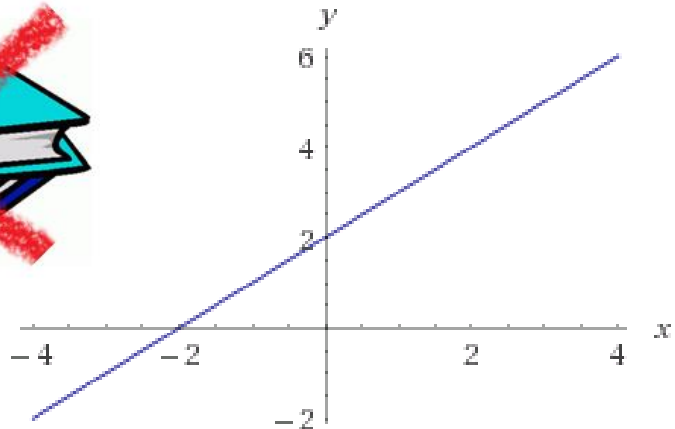Tutor: Pedro Vicente Esteban-Duarte

Contents

Problem Statement

```java
double [] p=new double[4];
double [] q=new double[4];
double dx=x1-x2;
double dy=y1-y2;
p[0]=-dx;
p[1]=dx;
p[2]=-dy;
p[3]=dy;

q[0]=x1-xwmin;
q[1]=xwmax-x1;
q[2]=y1-ywmin;
q[3]=ywmax-y1;

    for (int i = 0; i < 4; i++) {
        if (p[i] != 0) {
            t[i] = (double) q[i] /
        } else if (p[i] == 0 && q[-,
            System.out.println("line cor
        } else if (p[i] == 0 && q[i] >=
            System.out.println("line cor
        }
    }
```
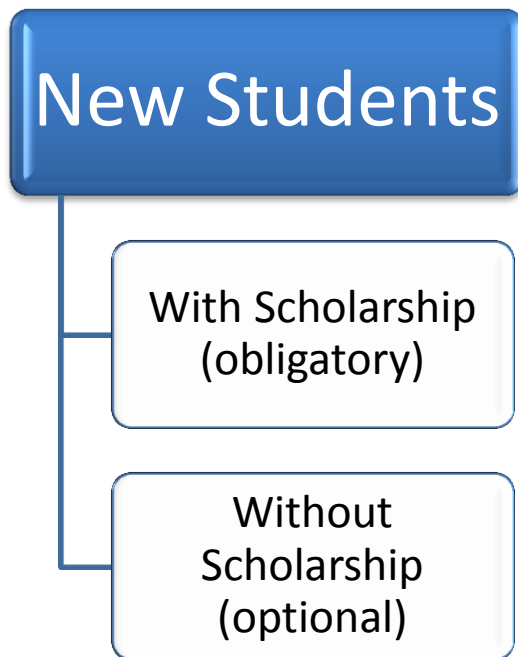
Problem Statement

Target Audience

Fondo Educación Superior
Medellín EPM

UNIVERSIDAD EAFIT
Abierta al mundo

Problem Statement

Test/Data

New Students

With Scholarship (obligatory)

Without Scholarship (optional)

Objectives

General

Make a report for the department of Mathematical Sciences and the School of Sciences of EAFIT university about the status of previus mathematical knowledge of students enterig the university at 2015-1.

Objectives

Specifics

To define the amount and the variables of interest

To extract information related to interesting variables from data bases

To get the first calculus exam's grades of the new students

To define the statistical tools to be used according to the interesting variables

To write a report on the conclusions obtained about the interesting variables

Methodology

- Weekly meetings

- Expert Advice

- Follow Schedule

Future Goal

- The development of a methodology to evaluate the impact of a virtual tool like the course 'Iniciación al Cálculo', taking on count specific data and the way to get that data

¡Thanks for your attention!

Carlos Esteban Posada-Mejia

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Tutor:

Pedro Vicente Esteban-Duarte

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