

# Analise de Viabilidade

pequeno  
pequeno

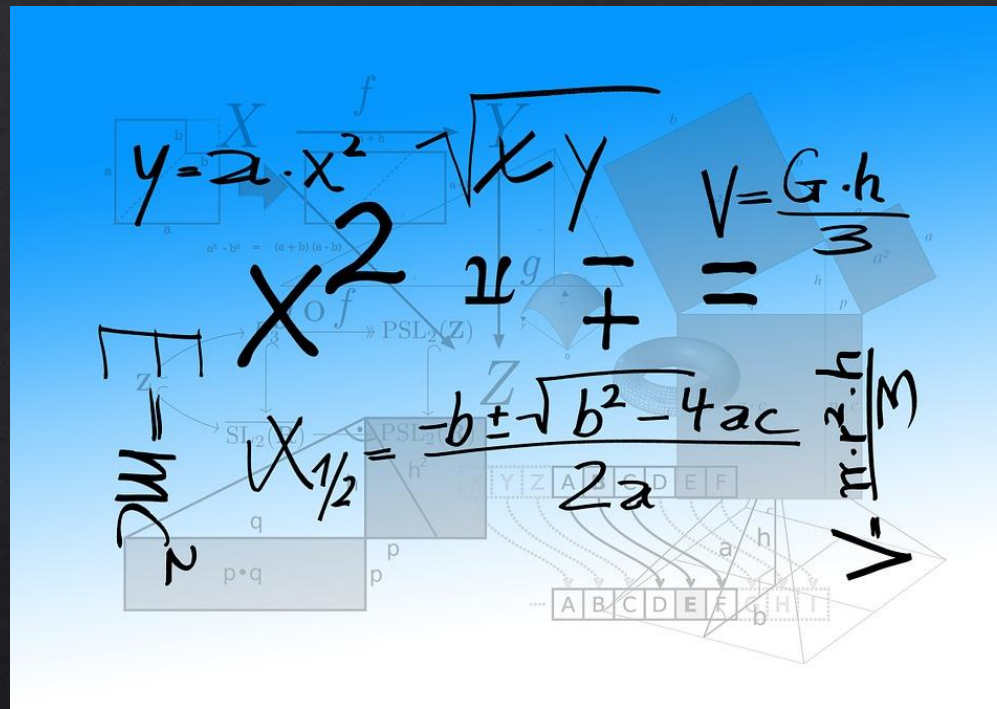
Uma poc Pode  
criar um MVP  
(minimal viable  
product)

Prova de Conceito: fração do  
que será desenvolvido

Protótipo: tenta simular todo  
o sistema ou grande parte dele

Piloto: sistema oficial é  
implementado e testado

# Medidas



# Modelos

- ◇ Taxa de acerto atende o negócio?
- ◇ Existem atributos suficientes para treinar o modelo?
- ◇ Existe dados com qualidade mínima?





# Expectativas de Tempo não Realistas



# Segurança e Privacidade

```
u > .active").removeClass("active").end().find('[data-toggle="tab"]').attr("aria-expanded",!1),  
ia-expanded",!0),h?(b[0].offsetWidth,b.addClass("in")):b.removeClass("fade"),b.parent(".dropdo  
().find('[data-toggle="tab"]').attr("aria-expanded",!1)}var g=d.find("> .active"),h=e&&  
de")||!d.find("> .fade").length);g.length&&h?g.one("bsTransitionEnd",f).emulateTransitionEnd  
;var d=a.fn.tab;a.fn.tab=b,a.fn.tab.Constructor=c,f.noConflict=function(){return a.fn.t  
"show"));a(document).on("click.bs.tab.data-api",'-to',"tab"],e).on("click.bs.tab.data  
se strict";function b(b){return this.each(function(e,d){var f=this,e=d.data("bs.affix"),f="ob  
typeof b&&e[b]()}}var c=function(b,d){this.options=b,d={},{},c.DEFAULTS,d),this.$target=a  
,a.proxy(this.checkPosition,this)).on("click.bs.affix.data-api",a.proxy(this.checkPositionW  
null,this.pinnedOffset=null,this.checkPosition());c.VERSION="3.3.7",c.RESET="affix",c.  
State=function(a,b,c,d){var e=this.$target.scrollTarget();if(e){var f="top",g="bottom"  
"bottom"==this.affix?e=e.offset().top+this.pinnedOffset:f="bottom",g="top",h="bottom",i="top",j="top",k="bottom",l="bottom",m="top",n="bottom",o="top",p="bottom",q="top",r="bottom",s="top",t="bottom",u="top",v="bottom",w="top",x="bottom",y="top",z="bottom",A="top",B="bottom",C="top",D="bottom",E="top",F="bottom",G="top",H="bottom",I="top",J="bottom",K="top",L="bottom",M="top",N="bottom",O="top",P="bottom",Q="top",R="bottom",S="top",T="bottom",U="top",V="bottom",W="top",X="bottom",Y="top",Z="bottom",AA="top",AB="bottom",AC="top",AD="bottom",AE="top",AF="bottom",AG="top",AH="bottom",AI="top",AJ="bottom",AK="top",AL="bottom",AM="top",AN="bottom",AO="top",AP="bottom",AQ="top",AR="bottom",AS="top",AT="bottom",AU="top",AV="bottom",AW="top",AX="bottom",AY="top",AZ="bottom",BA="top",BB="bottom",BC="top",BD="bottom",BE="top",BF="bottom",BG="top",BH="bottom",BI="top",BJ="bottom",BK="top",BL="bottom",BM="top",BN="bottom",BO="top",BP="bottom",BQ="top",BR="bottom",BS="top",BT="bottom",BU="top",BV="bottom",BW="top",BX="bottom",BY="top",BZ="bottom",CA="top",CB="bottom",CC="top",CD="bottom",CE="top",CF="bottom",CG="top",CH="bottom",CI="top",CJ="bottom",CK="top",CL="bottom",CM="top",CN="bottom",CO="top",CP="bottom",CQ="top",CR="bottom",CS="top",CT="bottom",CU="top",CV="bottom",CW="top",CX="bottom",CY="top",CZ="bottom",DA="top",DB="bottom",DC="top",DD="bottom",DE="top",DF="bottom",DG="top",DH="bottom",DI="top",DJ="bottom",DK="top",DL="bottom",DM="top",DN="bottom",DO="top",DP="bottom",DQ="top",DR="bottom",DS="top",DT="bottom",DU="top",DV="bottom",DW="top",DX="bottom",DY="top",DZ="bottom",EA="top",EB="bottom",EC="top",ED="bottom",EE="top",EF="bottom",EG="top",EH="bottom",EI="top",EJ="bottom",EK="top",EL="bottom",EM="top",EN="bottom",EO="top",EP="bottom",EQ="top",ER="bottom",ES="top",ET="bottom",EU="top",EV="bottom",EW="top",EX="bottom",EY="top",EZ="bottom",FA="top",FB="bottom",FC="top",FD="bottom",FE="top",FF="bottom",FG="top",FH="bottom",FI="top",FJ="bottom",FK="top",FL="bottom",FM="top",FN="bottom",FO="top",FP="bottom",FQ="top",FR="bottom",FS="top",FT="bottom",FU="top",FV="bottom",FW="top",FX="bottom",FY="top",FZ="bottom",GA="top",GB="bottom",GC="top",GD="bottom",GE="top",GF="bottom",GG="top",GH="bottom",GI="top",GJ="bottom",GK="top",GL="bottom",GM="top",GN="bottom",GO="top",GP="bottom",GQ="top",GR="bottom",GS="top",GT="bottom",GU="top",GV="bottom",GW="top",GX="bottom",GY="top",GZ="bottom",HA="top",HB="bottom",HC="top",HD="bottom",HE="top",HF="bottom",HG="top",HH="bottom",HI="top",HJ="bottom",HK="top",HL="bottom",HM="top",HN="bottom",HO="top",HP="bottom",HQ="top",HR="bottom",HS="top",HT="bottom",HU="top",HV="bottom",HW="top",HX="bottom",HY="top",HZ="bottom",IA="top",IB="bottom",IC="top",ID="bottom",IE="top",IF="bottom",IG="top",IH="bottom",II="top",IJ="bottom",IK="top",IL="bottom",IM="top",IN="bottom",IO="top",IP="bottom",IQ="top",IR="bottom",IS="top",IT="bottom",IU="top",IV="bottom",IW="top",IX="bottom",IY="top",IZ="bottom",JA="top",JB="bottom",JC="top",JD="bottom",JE="top",JF="bottom",JG="top",JH="bottom",JI="top",JJ="bottom",JK="top",JL="bottom",JM="top",JN="bottom",JO="top",JP="bottom",JQ="top",JR="bottom",JS="top",JT="bottom",JU="top",JV="bottom",JW="top",JX="bottom",JY="top",JZ="bottom",KA="top",KB="bottom",KC="top",KD="bottom",KE="top",KF="bottom",KG="top",KH="bottom",KI="top",KJ="bottom",KK="top",KL="bottom",KM="top",KN="bottom",KO="top",KP="bottom",KQ="top",KR="bottom",KS="top",KT="bottom",KU="top",KV="bottom",KW="top",KX="bottom",KY="top",KZ="bottom",LA="top",LB="bottom",LC="top",LD="bottom",LE="top",LF="bottom",LG="top",LH="bottom",LI="top",LJ="bottom",LK="top",LL="bottom",LM="top",LN="bottom",LO="top",LP="bottom",LQ="top",LR="bottom",LS="top",LT="bottom",LU="top",LV="bottom",LW="top",LX="bottom",LY="top",LZ="bottom",MA="top",MB="bottom",MC="top",MD="bottom",ME="top",MF="bottom",MG="top",MH="bottom",MI="top",MJ="bottom",MK="top",ML="bottom",MM="top",MN="bottom",MO="top",MP="bottom",MQ="top",MR="bottom",MS="top",MT="bottom",MU="top",MV="bottom",MW="top",MX="bottom",MY="top",MZ="bottom",NA="top",NB="bottom",NC="top",ND="bottom",NE="top",NF="bottom",NG="top",NH="bottom",NI="top",NJ="bottom",NK="top",NL="bottom",NM="top",NN="bottom",NO="top",NP="bottom",NQ="top",NR="bottom",NS="top",NT="bottom",NU="top",NV="bottom",NW="top",NX="bottom",NY="top",NZ="bottom",OA="top",OB="bottom",OC="top",OD="bottom",OE="top",OF="bottom",OG="top",OH="bottom",OI="top",OJ="bottom",OK="top",OL="bottom",OM="top",ON="bottom",OO="top",OP="bottom",OQ="top",OR="bottom",OS="top",OT="bottom",OU="top",OV="bottom",OW="top",OX="bottom",OY="top",OZ="bottom",PA="top",PB="bottom",PC="top",PD="bottom",PE="top",PF="bottom",PG="top",PH="bottom",PI="top",PJ="bottom",PK="top",PL="bottom",PM="top",PN="bottom",PO="top",PP="bottom",PQ="top",PR="bottom",PS="top",PT="bottom",PU="top",PV="bottom",PW="top",PX="bottom",PY="top",PZ="bottom",QA="top",QB="bottom",QC="top",QD="bottom",QE="top",QF="bottom",QG="top",QH="bottom",QI="top",QJ="bottom",QK="top",QL="bottom",QM="top",QN="bottom",QO="top",QP="bottom",QQ="top",QR="bottom",QS="top",QT="bottom",QU="top",QV="bottom",QW="top",QX="bottom",QY="top",QZ="bottom",RA="top",RB="bottom",RC="top",RD="bottom",RE="top",RF="bottom",RG="top",RH="bottom",RI="top",RJ="bottom",RK="top",RL="bottom",RM="top",RN="bottom",RO="top",RP="bottom",RQ="top",RR="bottom",RS="top",RT="bottom",RU="top",RV="bottom",RW="top",RX="bottom",RY="top",RZ="bottom",SA="top",SB="bottom",SC="top",SD="bottom",SE="top",SF="bottom",SG="top",SH="bottom",SI="top",SJ="bottom",SK="top",SL="bottom",SM="top",SN="bottom",SO="top",SP="bottom",SQ="top",SR="bottom",SS="top",ST="bottom",SU="top",SV="bottom",SW="top",SX="bottom",SY="top",SZ="bottom",TA="top",TB="bottom",TC="top",TD="bottom",TE="top",TF="bottom",TG="top",TH="bottom",TI="top",TJ="bottom",TK="top",TL="bottom",TM="top",TN="bottom",TO="top",TP="bottom",TQ="top",TR="bottom",TS="top",TT="bottom",TU="top",TV="bottom",TW="top",TX="bottom",TY="top",TZ="bottom",UA="top",UB="bottom",UC="top",UD="bottom",UE="top",UF="bottom",UG="top",UH="bottom",UI="top",UJ="bottom",UK="top",UL="bottom",UM="top",UN="bottom",UO="top",UP="bottom",UQ="top",UR="bottom",US="top",UT="bottom",UU="top",UV="bottom",UW="top",UX="bottom",UY="top",UZ="bottom",VA="top",VB="bottom",VC="top",VD="bottom",VE="top",VF="bottom",VG="top",VH="bottom",VI="top",VJ="bottom",VK="top",VL="bottom",VM="top",VN="bottom",VO="top",VP="bottom",VQ="top",VR="bottom",VS="top",VT="bottom",VU="top",VV="bottom",VW="top",VX="bottom",VY="top",VZ="bottom",WA="top",WB="bottom",WC="top",WD="bottom",WE="top",WF="bottom",WG="top",WH="bottom",WI="top",WJ="bottom",WK="top",WL="bottom",WM="top",WN="bottom",WO="top",WP="bottom",WQ="top",WR="bottom",WS="top",WT="bottom",WU="top",WV="bottom",WW="top",WX="bottom",WY="top",WZ="bottom",XA="top",XB="bottom",XC="top",XD="bottom",XE="top",XF="bottom",XG="top",XH="bottom",XI="top",XJ="bottom",XK="top",XL="bottom",XM="top",XN="bottom",XO="top",XP="bottom",XQ="top",XR="bottom",XS="top",XT="bottom",XU="top",XV="bottom",XW="top",XX="bottom",XY="top",XZ="bottom",YA="top",YB="bottom",YC="top",YD="bottom",YE="top",YF="bottom",YG="top",YH="bottom",YI="top",YJ="bottom",YK="top",YL="bottom",YM="top",YN="bottom",YO="top",YP="bottom",YQ="top",YR="bottom",YS="top",YT="bottom",YU="top",YV="bottom",YW="top",YX="bottom",YY="top",YZ="bottom",ZA="top",ZB="bottom",ZC="top",ZD="bottom",ZE="top",ZF="bottom",ZG="top",ZH="bottom",ZI="top",ZJ="bottom",ZK="top",ZL="bottom",ZM="top",ZN="bottom",ZO="top",ZP="bottom",ZQ="top",ZR="bottom",ZS="top",ZT="bottom",ZU="top",ZV="bottom",ZW="top",ZX="bottom",ZY="top",ZZ="bottom",
```





Os requisitos de cultura e idioma estão claros? São suportados pelas ferramentas?



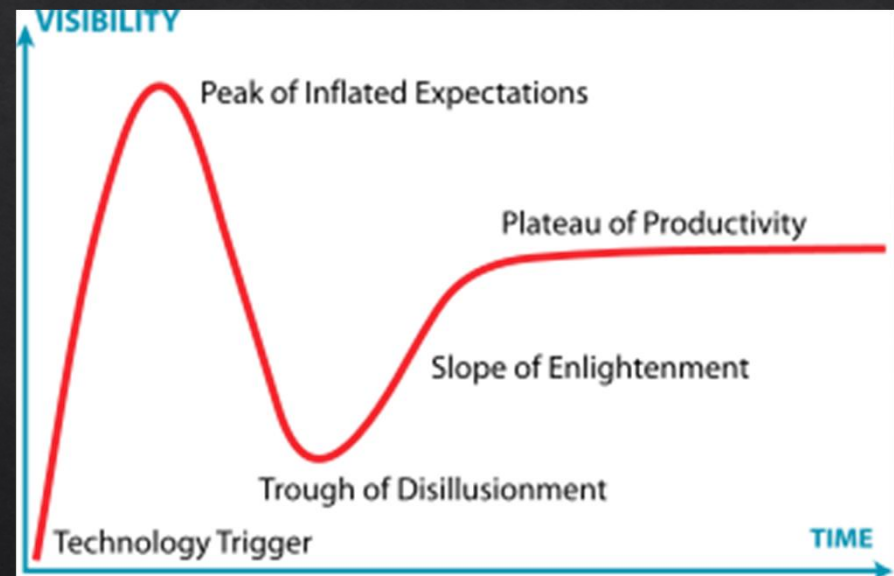
# Existe um plano de testes?

```
21 while (again) {
22     iN = -1;
23     again = false;
24     getline(cin, sInput);
25     system("cls");
26     stringstream(sInput) >> dblTemp;
27     iLength = sInput.length();
28     if (iLength < 4) {
29         again = true;
30         continue;
31     } else if (sInput[iLength - 3] != '.') {
32         again = true;
33         continue;
34     } while (++iN < iLength) {
35         if (isdigit(sInput[iN])) {
36             continue;
37         }
38     }
39 }
```



# Imaturidade

- ◇ Hype Cycle (Gartner)
- ◇ Technology Trigger - Período de incubação
- ◇ Peak of Inflated Expectations: Promessas de um produto maravilhoso, estável, altamente funcional
- ◇ Trough of Disillusionment: Usuários começam a enfrentar problemas diversos (segurança, integração, disponibilidade)
- ◇ Slope of Enlightenment. Começa a ser usado em maior volume e se a estabilizar
- ◇ Plateau of Productivity. O Produto se consolida



→ problemas de segurança