

Organize a Data Science Competition

AI Smart & Tech @ Sofia
December 10th 2019
<http://bit.ly/dso-aismarttech>





What is a

Data Science
Competition

MACHINE LEARNING COMPETITION

=

one
SUBJECT

MACHINE LEARNING COMPETITION

=

one
SUBJECT

+

a lot of
DATA

MACHINE LEARNING COMPETITION

=

one
SUBJECT

+

a lot of
DATA

+

a simple
TARGET

2 TYPES OF COMPETITION



LONG TERM

- ✓ Many teams
- ✓ Online
- ✓ Up to 4 months
- ✓ Raw data

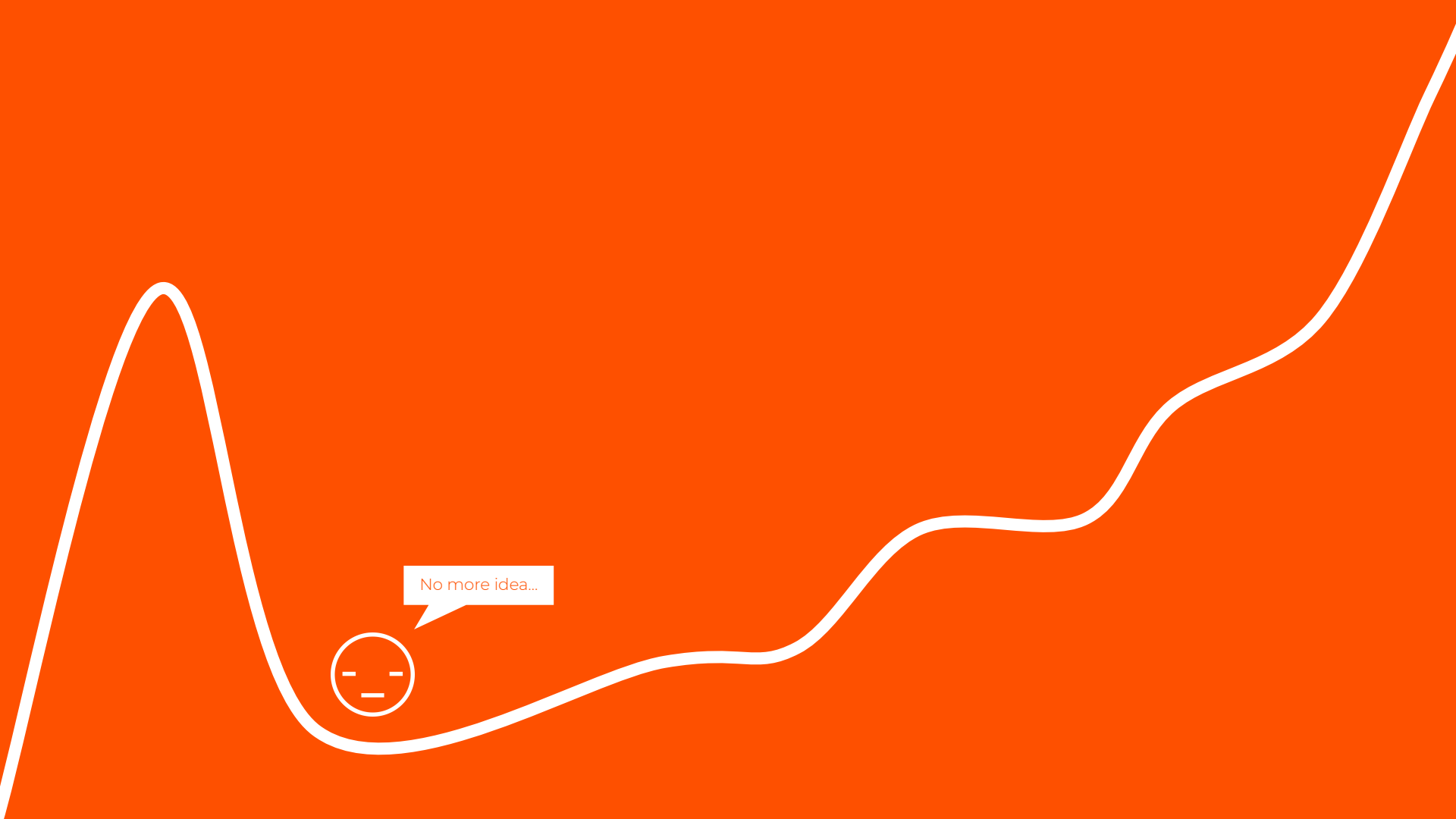


SHORT TERM

- ✓ No teams
- ✓ On site
- ✓ Max 48 hours
- ✓ Clean data



Checkout theses crazy data!



No more idea...



Team, research, work hard!



**2
hours**

The image features a white line graph on a solid orange background. The graph starts at the bottom left, rises to a peak, then falls to a local minimum, followed by a series of smaller rises and falls, and finally rises sharply towards the top right. A dashed white rectangular box is drawn around the initial peak of the graph. Inside this box, the text '2 hours' is written in a bold, white, sans-serif font. The '2' is on the top line, and 'hours' is on the line below it.



The Data Science Olympics



1 non-profit subject

2 hours of competition

2 cities, Berlin & Paris

6 winners

1000 datascientists

10000 euros of prizes

4000000 line in the dataset



ABOUT US

1

FABIEN VAUCHELLES

CTO @ Zelros

2

ZELROS

Insurtech // Artificial Intelligence // Customer XP



Why should you

Come

A photograph of three people in a workshop or classroom setting. On the left, a man in a grey and black plaid shirt is gesturing with his right arm towards the center. In the center, a woman with brown hair, wearing a dark blue button-down shirt, looks towards the man. On the right, a man with glasses and a red and blue plaid shirt looks towards the center. The background features a brick wall and a white door. A white electrical outlet is visible on the wall behind the man on the left. A Coca-Cola bottle is partially visible in the bottom right corner.

**AS A BEGINNER
YOU**

LEARN



AS AN EXPERT

YOU

EVALUATE

YOUR LEVEL



How to **scale** from

100 to **1000**

data scientists

2016

MAKE IT RUN





VENUE // TABLES // CHAIRS



ELECTRICITY



NO ENOUGH WIFI ENDPOINTS



DATASET



FOOD



PRIZES

100

competitors

80%

beginners

2 weeks

preparation

1000€

cost

2018

THE SCALE





Paris Machine Learning Applications Group

Paris, France

7 981 membres · Groupe privé

Organisé par Franck B. et 3 autres personnes

Partager : [f](#) [t](#) [in](#)

Rejoindre ce groupe

[À propos](#)

[Événements](#)

[Membres](#)

[Photos](#)

À propos de ce groupe

The Paris Machine learning meetup group is open to everyone who is interested in applications of Machine Learning and more generally Artificial Intelligence in every field. Our speakers are researchers in industry, academia, government and startups, Please Join us !!

Our main site is at: <http://MLParis.org>

Organisateurs



Franck B. et 3 autres personnes

[Contacter](#)

Membres (7 981)

Personnes ▾

Relations ▾

Lieux ▾

Entreprises actuelles ▾

Tous les filtres

[Dev Full Stack React-Java](#) - Nos entreprises recherchent votre profil en ce

[Continuer la recherche dans Sales Navigator](#)

12 filtres avancés supp

178 813 résultats affichés



Mehdi NOUI • 2e

Datascientist

Région de Paris, France

Didier Girard, Jean-Luc Laurent et 22 autres relations en commun

[Se con](#)



Valentin Larrieu • 2e

DataScientist

Région de Paris, France

Didier Girard, France PERRIN et 8 autres relations en commun

[Se con](#)



Gauthier Perrod • 2e

Junior Datascientist at IDEMIA

[Se con](#)

e 🚀🚀🚀) et 16 autres

[Se con](#)

en commun

[Se con](#)

relations en commun

Selenium automates browsers. That's it!

What you do with that power is entirely up to you.

RECRUITMENT

urposes, but is certainly not limited to just that.
(should) also be automated as well.



VENUE // LOGISTIC



SPONSORING




QScore is a **competition platform** for Data Science.

It is simple, scalable and can host your competition in a minute.

It works with [Node.js](#), [Python](#), [RabbitMQ](#), [Redis](#), [Auth0](#), [AngularJS's CoreUI](#) and it is **open source**!

Install the latest version of QScore

 **QScore 1.0.0**

 Star 29

 Fork 11



400

competitors

60%

experimented

2 months

preparation

40 000€

cost

THE DATASCIENCE OLYMPICS 2019



Station F, Paris

May, 23rd 2019 / #DSO2019
www.datascience-olympics.com

Kühlhaus, Berlin



GERMANY



A NEW COMMUNITY

1 000

competitors

20%

experts

4 months

preparation

150 000€

cost



What do we

Learn

Source: U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2



REPENSER LE SITE DE TRANSFERT
DE DÉCHETS DU QUAI CLEON
24.01

PROCESSUS D' INVESTIGATION

[illegible]

44 L'2 a a un sens avec l'impression
de la machine, de la parole, etc.
après à l'instinct et la
réponse directement. 33



64 L'J est un ensemble dans le jargon
recyclable, alors on utilise le
groupe pour déléguer la tâche. 33



44 *La nuit qui vous précède, se fait
regarder en silence, l'âme, par l'âme, de la
nature, pour la forme de l'âme, et la
nature, pour l'âme, et la nature, pour l'âme.* 55



66 Je n'ai la base de vie. On y prend
la suite, on y meurt, etc. La base
est éternelle, un peu éternellement.



44 Les droits réservés au leur auteur
pour avoir inspiré le roman, sont
de même ceux de son auteur. 55



66 On aime le voir la pucelle
propre, si del diable venant
pour rebeler de complot. 99



*Accompagnare la
parentela, l'organizzazione
di tutto, le esigenze
la natura per
collaborare*

[illegible]

Signale de danger
pour les produits dangereux
et toxiques



66 Quand il y a un problème avec la batterie, il faut venir depuis la cabine pour qu'elle chauffe à nouveau. 66

—CASIER À METH

VESTIAIRE À P

IT TAKES A LOT OF TIME



WINTER IS BETTER

THANKS!

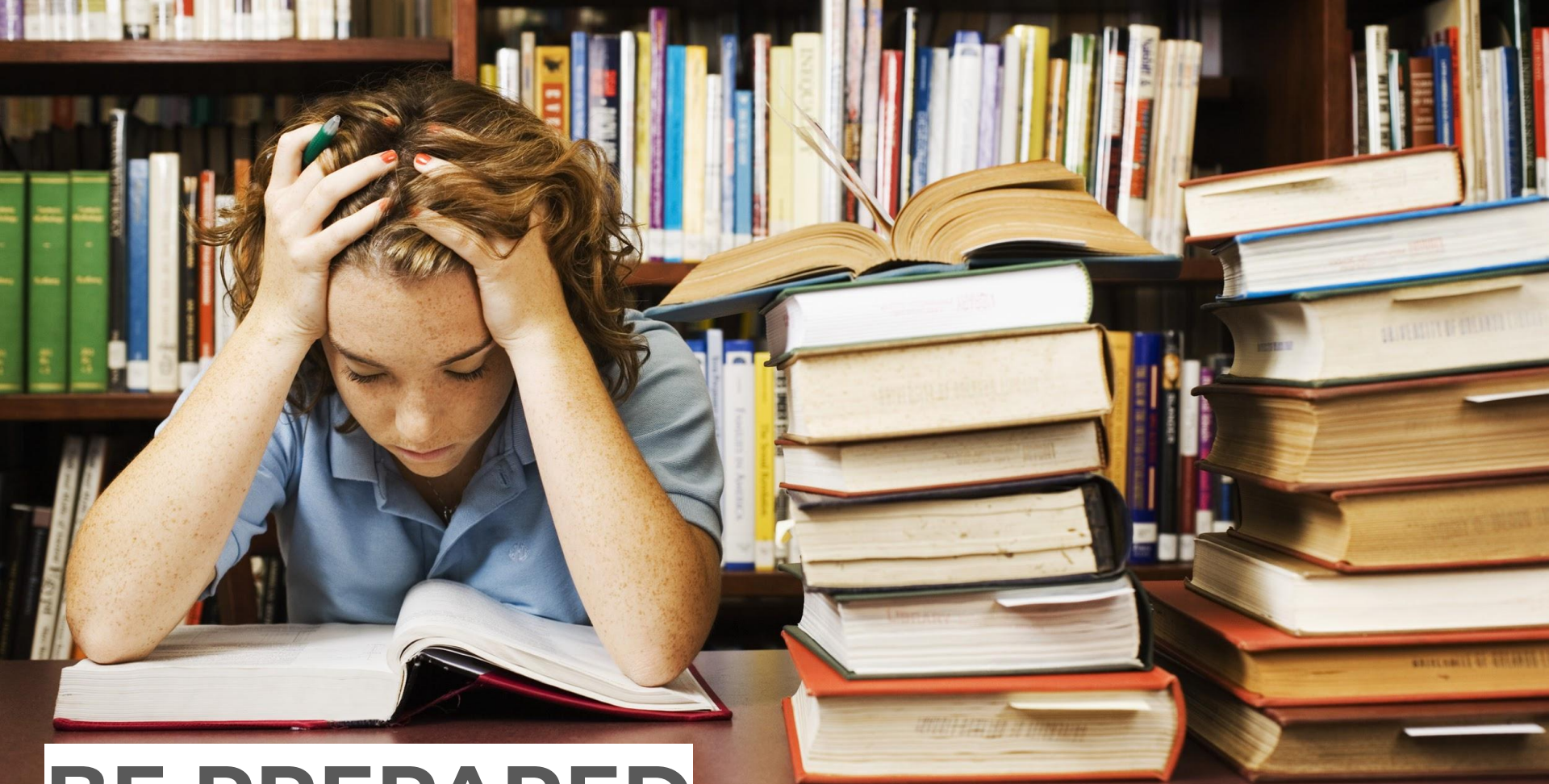
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Tricks to
Win

BONUS



BE PREPARED



HAVE A LOT OF SNIPPETS