LITERATURE SURVEY

# AI-Powered Nutrition Analyzer for Fitness Enthusiasts

Author: Tompson

Year of publish :2018

This annual survey of worldwide fitness trends is now in its 12th year. New this year is the  
inclusion of some member organizations of the Coalition for the Registration of Exercise  
Professionals (CREP). Participating organizations included the American College of Sports  
Medicine (ACSM), American Council on Exercise (ACE), National Council on Strength and  
Fitness (NCSF), and The Cooper Institute®. In 2018, some emerging trends from the last 3  
years have been confirmed and two new trends are in the top 10.

Author: K.Barnes

Year of publish :2017

Objective To measure the self-perceived competence of Australian personal trainers in  
providing nutrition care. Study design Cross-sectional online survey. Methods A validated  
survey was used to measure confidence in the ability to provide nutrition care among a  
snowball sample of 142 Australian-based personal trainers. The survey used 5-point Likert  
scale statements across four nutrition related constructs: knowledge; skills; communication  
and counselling; and attitudes.

Author: Feldvari

Yea of publish :r 2018

The paper presents findings collected in the study on workplace information literacy (IL) of  
Croatian fitness and conditioning personal trainers. The purpose of this study is to identify  
the level of IL and information behaviour of fitness and conditioning personal trainers with  
different educational backgrounds in kinesiology.

Author :A.Bianco

Year of publish :2011

It is known that supplement use is a widespread and accepted practice by athletes and  
people who attend commercial gyms. Little is known about protein supplement amongst  
people undertaking strength training in commercial gyms in Italy when compared to the US.  
The purpose of this study was to examine the use of protein supplementation, alone or in  
association with other supplements, and dietary behavior amongst regular fitness center  
attendees in Palermo, Italy.

Author: JMM Rumbold

Year of publish:2017

Background The enactment of the General Data Protection Regulation (GDPR) will impact  
on European data science. Particular concerns relating to consent requirements that would  
severely restrict medical data research have been raised. Objective Our objective is to  
explain the changes in data protection laws that apply to medical research and to discuss  
their potential impact. Methods Analysis of ethicolegal requirements imposed by the GDPR.